

# City of Seattle Annual Construction Showcase

# 2016



Courtesy Seattle Municipal Archives



**Seattle**  
Finance &  
Administrative Services



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Last updated 08/22/16

CITY OF SEATTLE  
OFFICE OF LABOR STANDARDS

SEATTLE LABOR  
STANDARDS



# Business Support

❖ **Darius Foster**  
**206-386-1238**  
**Darius.foster@seattle.gov**

❖ **Kerem Levitas**  
**206-386-9758**  
**Kerem.levitas@seattle.gov**

# OFFICE OF LABOR STANDARDS

## ❖ 13 Core Staff

- Dylan Orr, Director
- Senior Policy Analyst
- 2 Business Liaisons
- Community Liaison
- Enforcement Supervisor
- 5 investigators
- Paralegal
- IT Systems Analyst



## ❖ 5 Shared Staff

## ❖ Division of Office for Civil Rights

# SEATTLE LABOR STANDARDS

What is the rate of pay?

**MINIMUM WAGE**

Is there payment for all hours worked?

**WAGE THEFT**

Is there accrual or payment of PSST?

**PAID SICK AND SAFE TIME**

Was there denial of a job or pay due to conviction or arrest records?

**FAIR CHANCE EMPLOYMENT**

# LABOR STANDARDS UPDATES

**In December, 2015, the City of Seattle extensively revised Seattle's labor standards ordinances.**

**These revisions went into effect on**

**January 16, 2016.**

# **NEW** WORKPLACE POSTER

- ❖ **All Labor Standards: MWO, WT, PSST, FCE**
- ❖ **No retaliation**
- ❖ **Right to file complaint with OLS**

***Employers must display the poster in English and in the primary language(s) of the employee(s) at the particular workplace.***

**IS THERE ACCRUAL  
OR PAYMENT OF PSST?**

**PAID SICK  
& SAFE TIME**



**Business has  
more than 4  
full-time equivalent  
employees**

## PAID SICK TIME

- Employee or family member
- Child, grandparent, parent, parent-in-law
- Spouse or domestic partner
- Physical or mental condition
- Doctor, Dental & Eye Appointments

## PAID SAFE TIME

- Employee, family & household members, roommate
- Domestic violence, sexual assault, or stalking
- Employee's workplace or child's school/place of care closed for critical safety issue (e.g. flu pandemic)
- *Not Snow Day*

# PSST ACCRUAL, USE & CARRY OVER

TIER	EMPLOYER SIZE	ACCRUAL	USE	CARRY OVER
Not Covered	4 or <small>fewer</small> FTEs	No accrual, use or carry over requirement. Notice and anti-retaliation provisions apply		
1	More than 4 to 49 FTEs	1 hour/40 hours worked	40 hours	40 hours
2	More than 49 to 249 FTEs	1 hour/40 hours worked	56 hours	56 hours
3	250+ FTEs	1 hour/30 hours worked	72 hours	72 hours
	250+ FTEs (PTO benefit systems)	1 hour/30 hours worked	108 hours	108 hours

# KEY PROVISIONS

- ❖ **Joint Employer**
- ❖ **Benefit Year**
- ❖ **Accrual**
- ❖ **Use and Carry Over**
- ❖ **Vacation and PTO**
- ❖ **Notification of Available PSST Hours**
- ❖ **Record Keeping**
- ❖ **No Retaliation**

# KEY PROVISIONS

## ❖ **(update) Joint Employers**

- Both staffing agency & client can be joint employers of a temp employee

## ❖ **(update) Benefit Year**

- Employers must use a consistent 12 month consecutive period (e.g. calendar year, fiscal year, anniversary date, but not rolling year) for accrual, use and carry over

## ❖ **Accrual**

- Accrual depends on employer tier size; there is no cap on accrual

## ❖ **Use and Carry over**

- Use and carry over depend on employer tier size

# KEY PROVISIONS

## ❖ **Vacation and PTO**

- Employers can use vacation and PTO to meet ordinance requirements, as long as the paid leave can be used in same manner as PSST
- Tier 3 employers with PTO have increased use and carry over requirements

## ❖ **Notification of available PSST hours**

- Employers must provide notice of available PSST hours every pay period, usually on a paystub

## ❖ **(update) Record Keeping – 3 years**

## ❖ **No Retaliation**

# OTHER REQUIREMENTS

- ❖ **Written PSST Policy**
- ❖ **Waiting Period**
- ❖ **Requesting PSST**
- ❖ **15 increments of Use**
- ❖ **Rate of Pay**
- ❖ **Documentation**
- ❖ **Suspicious of PSST Abuse**
- ❖ **Seasonal Employee**
- ❖ **Occasional Basis Employee**
- ❖ **Waiver**
- ❖ **Cash out**

# OTHER REQUIREMENTS

## ❖ **(update) Written PSST Policy**

- Employers must provide employees with written PSST policy starting April 1, 2016

## ❖ **Waiting Period**

- Employer can impose a waiting period of 180 calendar days from hire date

## ❖ **Requesting PSST**

- Employee must provide enough information to signal need for covered absence
- “I need to use PSST” or “My child is sick”

## ❖ **(update) 15 minute increments of use**

- If feasible by employer’s payroll system, employers must permit hourly employees to use PSST in 15 minute increments

# OTHER REQUIREMENTS

## ❖ Rate of Pay

- Employers must pay same rate of pay as employee would have earned while working the shift (exclude tips & commissions, but meet Seattle minimum wage requirements)

## ❖ Documentation for PSST

- Employer can ask for documentation after employee has used PSST for more than three consecutive work days

## ❖ Suspicions of PSST abuse

- Employer can ask for early documentation or deny PSST if clear instance or pattern of abuse

## ❖ Seasonal employee

- Employer must reinstate unused PSST hours if employee separates from work and returns within seven months

# OTHER REQUIREMENTS

## ❖ **(update) Occasional Basis Employees**

- Employees who are typically based outside of Seattle and work in Seattle on an irregular basis, must work 240 hours in a calendar year to qualify for PSST
- After meeting this threshold requirement, employee is covered by ordinance for duration of employment for employer and all previous hours worked in Seattle accrue PSST

## ❖ **Waiver**

- Waiver is prohibited for individual employees
- Waiver is permitted for employees represented by union; waiver must be CBA

## ❖ **Cash out**

- ❖ Cash out is not required; it is discretionary

# Reporting a violation

# ENFORCEMENT



# PRIVATE RIGHT OF ACTION

- ◆ **PSST, MWO, WT (not FCE)**
- ◆ **April 1, 2016 (50+ employees)**
- ◆ **April 1, 2017 (less than 50 employees)**
- ◆ **Remedy**
  - **Up to 3x unpaid wages**
  - **Up to \$5,000 to aggrieved party for retaliation**
  - **Attorney Fees and Costs**

# INVESTIGATION

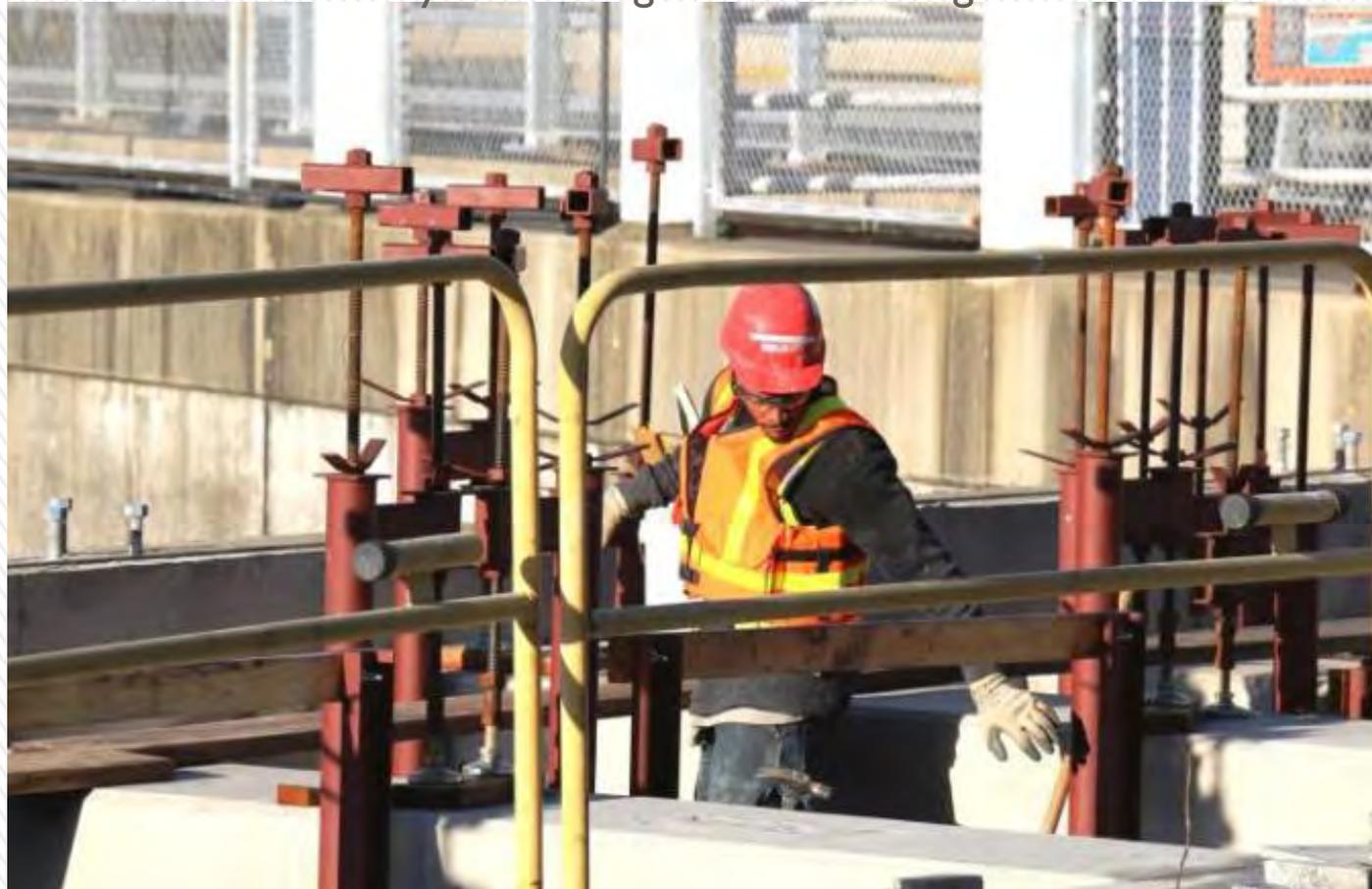
- ◆ **Protection of Identifying Information**
- ◆ **Charge or Compliance Letter**
- ◆ **Company-wide Investigation (standard)**
- ◆ **Individual Investigation (retaliation)**
- ◆ **Complaint-based**
- ◆ **Directed (future)**

PSST, MWO, WT VIOLATION(S)	REMEDY OR PENALTY
First Violation	Up to 3x unpaid wages + interest
Subsequent Violations	Mandatory 3x unpaid wages + interest
First Violation	Up to \$500 per aggrieved party
Second Violation	Up to \$1000 per aggrieved party or 10% of unpaid wages, whichever is greater
Third Violation	Up to \$5,000 per aggrieved party or 10% of unpaid wages, whichever is greater
Subsequent Violation	Up to \$20,000 per aggrieved party
Chart of Fines	\$500 to \$1,000 fine
Retaliation	Reinstatement or up to 3x front pay; up to \$5,000 to aggrieved party
Settlement & Mitigation of Penalties	Director Discretion

*[seattle.gov/laborstandards](http://seattle.gov/laborstandards)*  
*[laborstandards@seattle.gov](mailto:laborstandards@seattle.gov)*  
**206-684-4500**







# Community Workforce Agreement

September 2016

# Purpose

- Provide contractors access to a trained workforce
- Create access to careers using City construction jobs
- Create a diverse workforce by adding more women and people of color
- Create economic growth in economically distressed areas



# What is the Community Workforce Agreement (CWA)?

- a) Contract between City and labor unions
- b) Also called a Project Labor Agreement (PLA)
- c) Prevents strikes and lockouts
- d) Includes priority hire goals to increase women, people of color and those from economically distressed areas
- e) All workers dispatched through union hall
- f) All contractors sign assent to CWA for the project
- g) All of the above

## Which City projects are covered by the CWA?

- a) All projects, no matter the engineer's estimate
- b) Only projects estimated at \$1 million or more
- c) Only projects estimated at \$5 million or more
- d) Only projects estimated at \$10 million or more
- e) None of the above

# What is Priority Hire?

- Priority Hire prioritizes certain qualified individuals for hire by contractors on CWA projects:
  - Individuals from economically distressed ZIP codes
  - Women
  - People of Color
  - Registered apprentices, particularly those who are pre-apprenticeship graduates
- Distressed ZIP codes in Seattle and then in King County are prioritized above all others



How many Priority Hire ZIP Codes are there?

a) 33

b) 26

c) 15

d) 29

# Contractor Requirements under the CWA

## All contractors:

- Sign a Letter of Assent to CWA
- Submit pre-job paperwork and attend pre-job meeting
- Dispatch all workers through union hiring hall
- Hire Priority Hire workers
- Increase prevailing wages in September
- Pay into union trust funds
- Report worker hours in LCPtracker (certified payroll)

# Prime Contractor Requirements

- Plan and ensure apprentice and priority hire requirements and goals are met
- Provide parking for craft workers or compensate for parking costs
- Provide rest facilities
- Attend monthly Joint Administrative Committee (JAC) meetings



# True or False?

- Prime Contractors must also attend every pre-job meeting with their subcontractors

FALSE

Prime Contractors are only required to attend their own pre-job meeting, but may attend with their subcontractors if they wish

# Open-Shop Contractors

- Core workers – contractors can bring up to 5 up front
- Dual benefits – health and pension payments
  - Contractor can apply for a dual benefit reimbursement
- Contractor diversity requirements will be maintained



# Bid Considerations

## All Contractors:

- September wage escalation
- Dual benefit reimbursement
  - Open-shop contractors with existing employer-sponsored benefit plans may apply for a reimbursement
- Parking
  - Prime must provide parking, or reimburse worker for parking or mass transit

# Tips for Contractors

- Submit Certified Payroll weekly
- Stay up-to-date on trust payments
- Monitor priority hire workforce performance
- Read the CWA thoroughly
- Remember why the City has implemented Priority Hire
  - Provide contractors access to a trained workforce
  - Create access to construction careers
  - Create a diverse workforce
  - Create economic growth in economically distressed areas

# Staff

Allison Calvert

Labor Equity Field Advisor

(206) 615-1112

[Allison.Calvert@seattle.gov](mailto:Allison.Calvert@seattle.gov)

<http://www.seattle.gov/city-purchasing-and-contracting/social-equity/labor-equity>





## Asset Preservation Program



### General Information

Program: \$4 million per year

Active Projects: 25

Project Delivery methods:

- Blanket Vendor
- Scope Bid Build
- Design Bid Build
- JOC



### Introduction to the Asset Preservation Program

The Asset Preservation Program receives \$4 million each year to be used for preserving and extending the useful lives and operational capacities of FAS properties. The program focuses on building envelopes and infrastructure, and includes projects to repair or replace mechanical and electrical systems, plumbing, windows, roofs, and other critical and environmental systems serving the facilities. The program prioritizes the work based on facility condition assessments and operational priorities within the City.

The Asset Preservation group has seven team members consisting of architects, engineers and other construction management backgrounds that plan, develop and execute the program, using other industry design and construction professionals, as required.

Project opportunities range from \$50,000 up to several million dollars. Types of ongoing work include:

- Structural, Curtainwall and Stone Weatherization Repairs
- Roof Repairs/Replacements
- Electrical Repairs/Upgrades, and Grounding Repairs
- HVAC Upgrades and Critical Infrastructure Repairs/Improvements

The Asset Preservation team has work performed by using general contractors, speciality contractors, and has a very successful track record using WMBE contractors.



## Project Detail Sheet: Cedar Falls Administration Building

### General Information

Architect: Schacht Aslani Architects  
Project Delivery Method: Design Bid  
Build  
Estimated MACC: \$7.5 million

Any project inquiries should be directed  
to:

Andy Ishizaki, CDCM Sr. Project  
Manager

[Andy.ishizaki@seattle.gov](mailto:Andy.ishizaki@seattle.gov)

PH 206.233.7809



### Background

The Cedar Falls Watershed Headquarters are located approximately 30 miles east of Seattle, and 7 miles south of the City of North Bend, Washington within the hydrological boundary of the Cedar River Watershed. These facilities support critical functions in the Seattle Public Utilities (SPU) water supply system, the first of three major components of SPU's system to transport water from its source to consumers. On a daily basis, the Cedar River Watershed provides approximately 70% of the total volume generated by the entire SPU Water Supply system.

Drinking water service levels are dependent on the services provided at the Cedar River Watershed by SPU staff and field crews using facilities that are past the end of their useful lives. The Cedar Falls Facilities' physical condition has deteriorated beyond the timeframe for deferred maintenance or renovation, and there is insufficient space available for critical ongoing operational functions. Overall, the existing administrative and shops facilities are no longer able to support the functions performed by the Cedar River Watershed Services staff housed at this location.

Schacht Aslani Architects, chosen through a competitive Request for Qualifications process, is leading the architecture and engineering team.

### Project Scope

FAS, acting as the project manager for SPU, is working to finalize the design for a new administration building which calls for:

- A 14,700 square foot building with a useful life of 30 to 50 years that will accommodate up to 49 staff that will include the following spaces:
  - Administrative offices and support, such as private and open offices, conference rooms, break/lunch room, fitness room, storage, server room, reception.
  - Support spaces for field crews, such as shower and locker rooms, mud/drying room, dispatch room.



## Project Detail Sheet: Cedar Falls Administration Building

- Various site and infrastructure improvements, such as existing water well upgrades, existing power supply, and existing pedestrian paving and vehicular parking lot upgrades.
- Mothballing two historical houses, Thompson House and Harman House, for use as storage.
- A building that achieves the highest performance, lowest life cycle cost, and is adaptive, flexible and forward-thinking, while meeting the programmatic and budgetary requirements of the project.
- Leadership in Energy & Environmental Design (LEED) Gold certified facility. Sustainable features include ground source heating and cooling via geothermal wells, stormwater management integration into the landscape design, infrastructure to support a large photovoltaic array on the roof, and daylighting.

### Project Schedule

The project is expected to advertise January 2017. Construction is anticipated to start in the spring of 2017, with substantial completion anticipated the 3<sup>rd</sup> Qtr of 2018.



## Project Detail Sheet: Fire Station 31 - Expansion

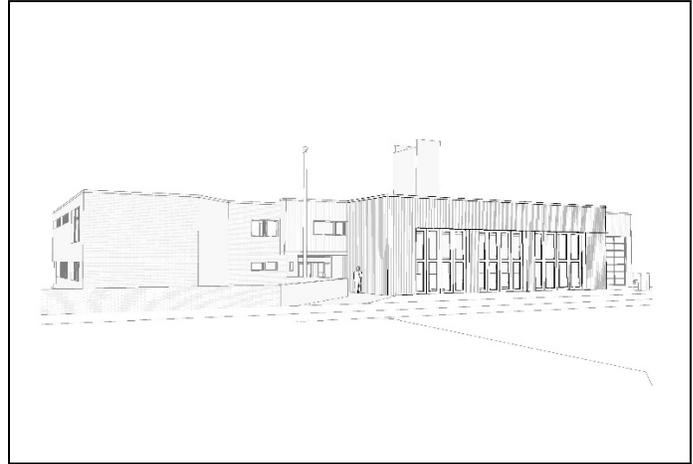
### General Information

Architect: SHKS Architects  
Project Delivery Method: Design Bid Build  
Estimated MACC: \$580,000

Any project inquiries should be directed to:  
Mark Nakagawara, CDCM Sr. Project Manager

[Mark.Nakagawara@seattle.gov](mailto:Mark.Nakagawara@seattle.gov)

PH 206.684.0424



### Background

Seattle Fire Station 31 is located at 1319 Northgate Way and houses one engine company, one ladder unit and one medic unit. As part of the 2003 Fire Facilities and Emergency Response Levy, Fire Station 31 was last upgraded in 2009. The scope of work associated with the 2009 improvements included structural seismic upgrades to the building, a new addition, new medic sleeping quarters and a remodeled basement to provide storage and maintenance areas.

The expansion of Fire Station 31 will allow for the station to properly house the new larger tiller ladder truck which is the new standard ladder vehicle of the Seattle Fire Department. The tiller ladder trucks are approximately 20 feet longer than the older ladder trucks which are being replaced in the Seattle Fire Department's fleet. The expansion of the Fire Station 31 apparatus bay will provide proper clearances around the truck in the station and will provide adequate emergency response egress from the station.

### Project Scope

Plans for the expansion of the Fire Station 31 project call for:

- Expansion of the apparatus bay (extension of the exterior walls and roof)
- New bi-fold apparatus bay doors
- Extension of the Nederman vehicle exhaust system
- Electrical power and lighting alterations
- Re-location of above ground fueling station

### Project Schedule

Advertisement for bidding is targeted for January 2017 and construction commencement is anticipated in March 2017.



# Major Maintenance and Renovations Program



## General Information

Program: \$4 million per year

Active Projects: 25

Project Delivery methods:

- Blanket Vendor
- Design Bid Build
- JOC



## Introduction to the Program

The Capital Development and Construction Management Division (CDCM) in the Finance and Administrative Services Department (FAS) has been overseeing the City's building design and construction projects for more than 30 years. This program focuses on building envelopes and infrastructure, and includes projects to repair or replace mechanical and electrical systems, plumbing, windows, roofs, and other critical and environmental systems serving the facilities.

Project opportunities range from \$50,000 up to several million dollars. Types of ongoing work include:

- Structural, Curtainwall and Stone Weatherization Repairs
- Roof Repairs/Replacements
- Electrical Repairs/Upgrades, and Grounding Repairs
- HVAC Upgrades and Critical Infrastructure Repairs/Improvements

## Project Schedule

Projects within this program are made available throughout the year to the contracting community through a variety of paths including EBid, Blanket Vendor Contracts, and the Job Order Contracting process.

# Space Planning, Tenant Improvements and Standards Program

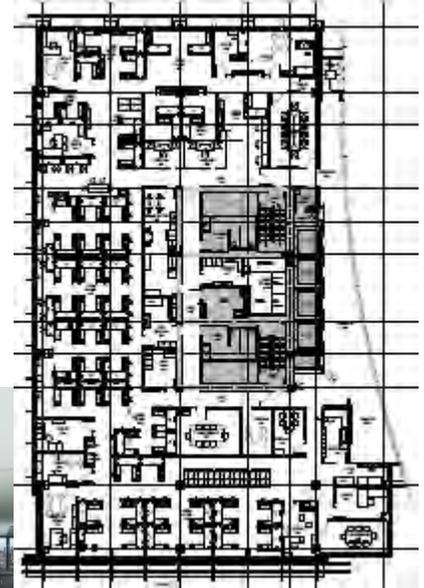
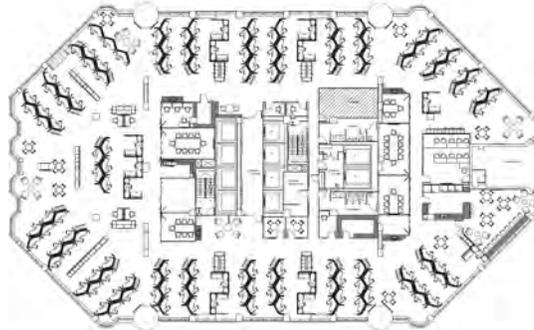
## General Information

Program: Annually  
Ranges \$2 - \$7 million  
per year

Active Projects: Range  
25 – 50 Annually

Project Delivery  
methods:

- Blanket Vendor
- Design Bid Build
- JOC



## Introduction to the Program:

The Capital Development and Construction Management Division (CDCM) in the Finance and Administrative Services Department (FAS) has been overseeing the City's building design and construction projects for more than 30 years. Each year we manage more than 50 tenant improvement and space planning projects in our City facilities. These project's budgets can range from \$3,500 - \$5,000,000.

Some of our current projects include:

- Seattle Municipal Tower Floor 53-20,000 SF Remodel
- Seattle City Hall Floor 5 – 11,000 SF Remodel
- Seattle City Hall Floors 6, 7-Full Floor Carpet Replacement
- Seattle Justice Center Multiple Floors- Courtroom Bench Modifications
- 3 Master Space Planning Projects which include 31 floors in the Seattle Municipal Tower

## Project Schedule

Projects within this program are made available to the contracting community throughout the year using a variety of paths including EBid, Blanket Vendor Contracts, and the Job Order Contracting process.



## Project Detail Sheet: Fire Station 5 – Seismic Upgrades and Renovation

### General Information

Architect: Bassetti Architects  
Project Delivery Method: Design Bid Build  
Estimated MACC: \$2.9 million

Any project inquiries should be directed to:  
Larry Ahern, CDCM Sr. Project Manager  
[larry.ahern@seattle.gov](mailto:larry.ahern@seattle.gov)  
PH 206.733.9135



### Background

Located at 925 Alaskan Way adjacent to the Colman Ferry Dock on the Seattle central waterfront, this site has been the historic location of Seattle's marine-based fire companies since 1891. The current station was constructed in 1963 and was recently granted landmark status by the City of Seattle Landmarks Preservation Board for its post-world fair era modernist architecture. Since this station has never undergone a significant renovation, the goal of this project is to modernize the building to current code, earthquake and operational standards.

Constructed entirely of pre-cast and cast-in-place concrete this small station houses both marine and land based engine companies and 8 firefighters. Station 5's iconic hose tower and fire boats make it a highly recognizable magnet for tourists. It is the most visited Seattle Fire Station by far.

Bassetti Architects, chosen through a competitive Request for Qualifications process, is leading the architecture and engineering team.

### Project Scope

Structurally reinforce the existing 6,000 S.F., two story building to meet current seismic codes for continuous occupancy. Replace all building mechanical, plumbing and electrical systems. Upgrade building envelope to meet current energy codes. Incorporate other sustainable design features to achieve LEED Gold certification. Renovate interior spaces to meet modern life safety and fire department operational standards.

### Project Schedule

The project is expected to bid in early 2017. Construction is anticipated to start in the spring of 2017.

# Public Works Number Request

## Airport Way Center Building E – Envelope Improvements

**Administering Department:** FAS - CDCM

**Project Contact:**

Michael Johnson      206.386.1367      [Michael.Johnson@seattle.gov](mailto:Michael.Johnson@seattle.gov)

Spec Writer - Osborn Architects, Inc.,PS – Jerry Osborn

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

Project Address: 2203 Airport Way South Seattle, WA 98134-2014

SBB; PW's bid in October with substantial completion approx... March 30, 2017

- Ordinance No.: 124927

**Project Scopes:**

A complete building storefront replacement; with a new thermally broken aluminum storefront system that includes new flashings. Work also includes replacing all sealant joints at concrete panels around the building perimeter; providing a parapet handrail for fall protection; and replacing existing, exterior light fixtures.

- Primary construction scopes:
  - **DIVISIONS 02 - 26**
    - 02 07 00      Selective Demolition
    - 05 50 00      Metal Fabrications
    - 07 25 00      Weather Barriers
    - 07 46 00      Fiber Cement Siding
    - 07 62 00      Flashing and Sheet Metal
    - 07 92 00      Joint Sealants
    - 08 40 00      Aluminum Entrances and Storefronts
    - 08 71 00      Door Hardware
    - 09 90 00      Painting
    - 09 91 00      Special Coatings
    - 25 56 00      Exterior Lighting

**Target Bid Date: October 20, 2016**

**Working Construction Estimate: \$202,855**

- Funding Source: Asset Preservation – Fund 00168

**Attachments:** None

**PW# 2016-137**

# Public Works Number Request

## Seattle Police Department Harbor Patrol Bulkhead Replacement

### Administering Department:

Finance & Administrative Services: CDCM

### Project Contact:

Kevin Sahara, 206-684-8094, kevin.sahara@seattle.gov

### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- 1717 North Northlake Place, Seattle, WA
- Replacement of failing bulkhead supporting the main office building at Seattle Police Department's Harbor Patrol Office
- Construction must occur within fish window of October 1<sup>st</sup> through April 15<sup>th</sup> of the following year
- Ordinance No. 124648

### Project Scopes:

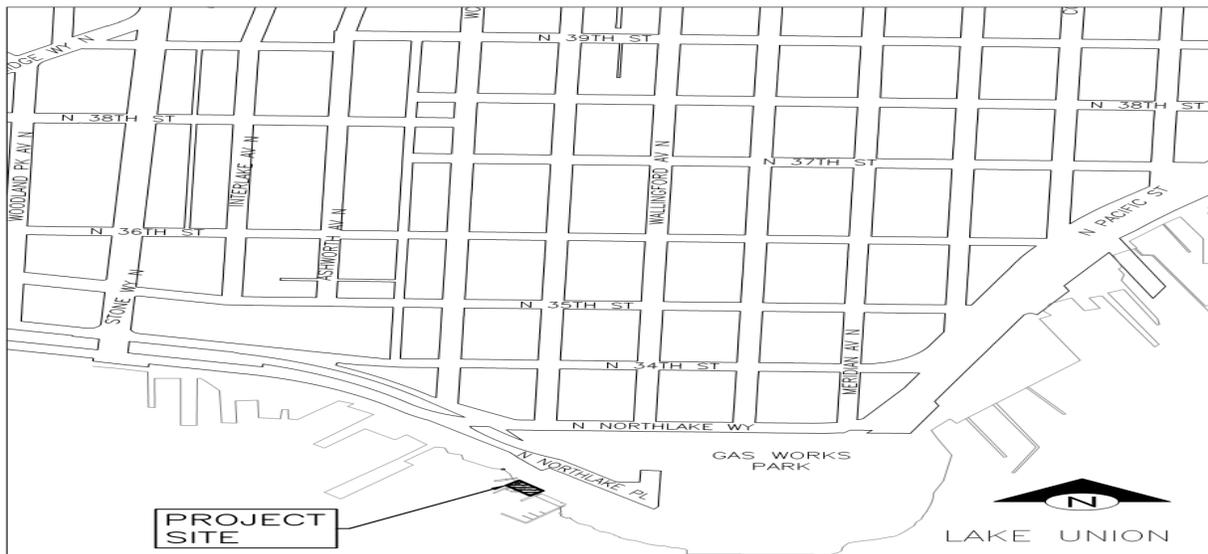
- Replacement of approximately 75-feet of failed bulkhead along the length of the Seattle Police Department's Harbor Patrol Office Building.

Target Bid Date: 1/24/2016

Working Construction Estimate: \$1,011,935.11

- Funding Source: REET I

### Attachments:



LOCATION MAP  
SCALE 1" = 400'

PW# 2015-106

## Public Works Number Request

### FIRE STATION 5 – PIER RENOVATION

**Administering Department:**

Finance & Administrative Services: CDCM

**Project Contact:**

Larry Ahern, Senior Project Manager 206-733-9135 larry.ahern@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 925 Alaskan Way, Seattle, WA 98104
- Project Description: Pier seismic renovation
- Seismic update of an existing concrete pier supporting waterfront Fire Station #5 to meet current code standards for immediate occupancy and safety of the occupants during a design seismic event.
- Ordinance No 124927

**Project Scopes:**

- Selective demolition and marine environmental protection requirements
- New cast-in-place concrete and maintenance of existing concrete
- New wood fender pilings and preservative treatment
- Under pier insulation and sealants
- Paint and coatings
- Under pier utilities

**Target Bid Date:** June 2016

**Working Construction Estimate:**

- \$1,500,000
- Funding Source: Bonds

**Attachments:** Architects Site Plan

**PW# 2016-026**

## Public Works Number Request

### FIRE STATION 5 – BUILDING RENOVATION

**Administering Department:**

Finance & Administrative Services: CDCM

**Project Contact:**

Larry Ahern, Senior Project Manager 206-733-9135 larry.ahern@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project Location: 925 Alaskan Way, Seattle, WA 98104
- Project Description: Building seismic renovation, energy upgrades and general interior renovations
- Modernize an outdated, waterfront Fire Station to current codes and standards for energy use, operations and life safety of the occupants.
- Ordinance No. 124927

**Project Scopes:**

- Interior demolition
- New and refinished concrete
- Metal framing and fabrications
- Carpentry and casework
- Waterproofing, insulation and sealants
- Door and window replacement
- Interior finishes
- Interior specialties
- Equipment and appliances
- Furnishings
- Fire suppression
- Plumbing
- Heating, Ventilation and Air Conditioning
- Electrical
- Communications
- Security systems

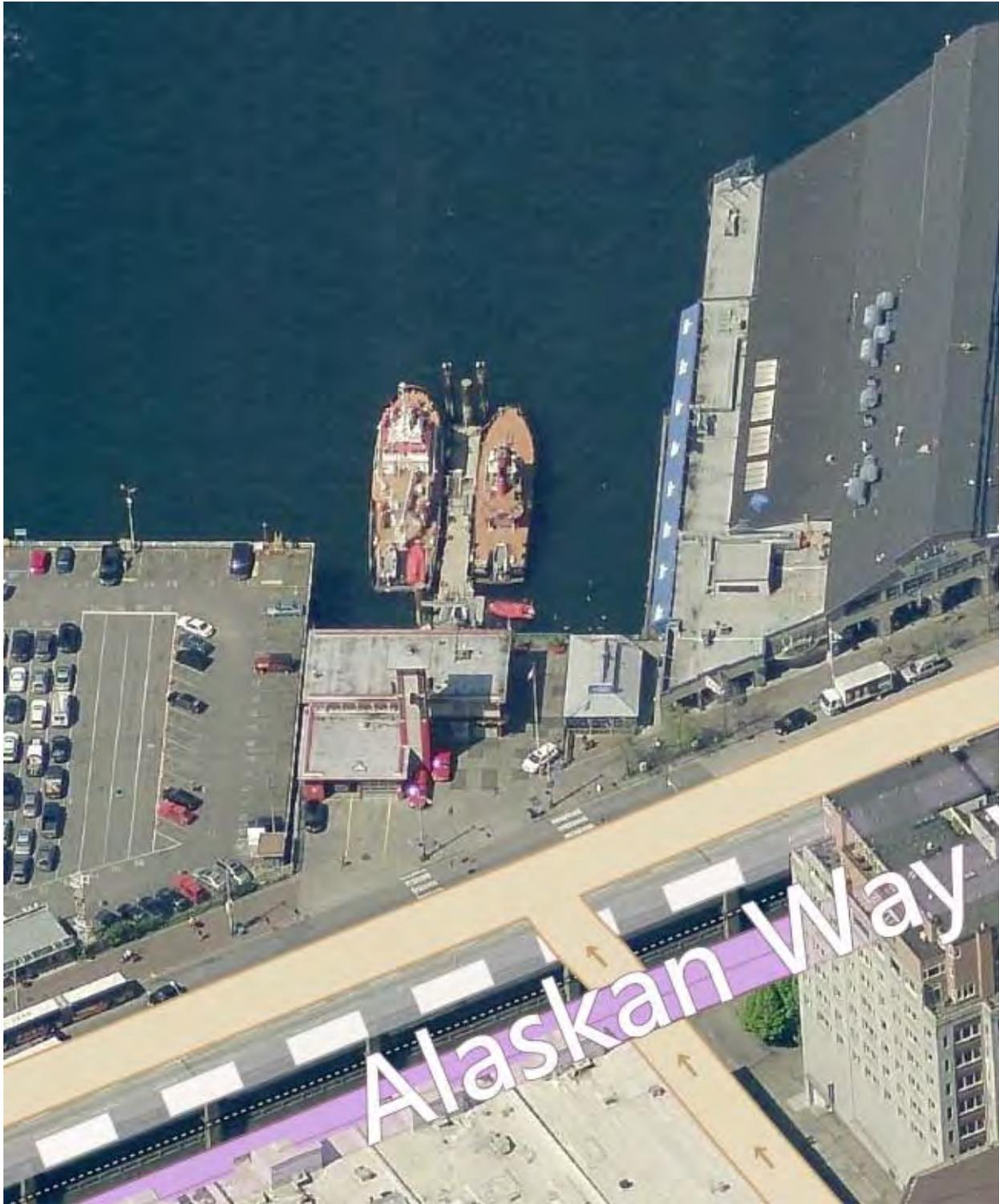
**Target Bid Date:** September 2016

**Working Construction Estimate:**

- \$2,500,000
- Funding Source: Bonds

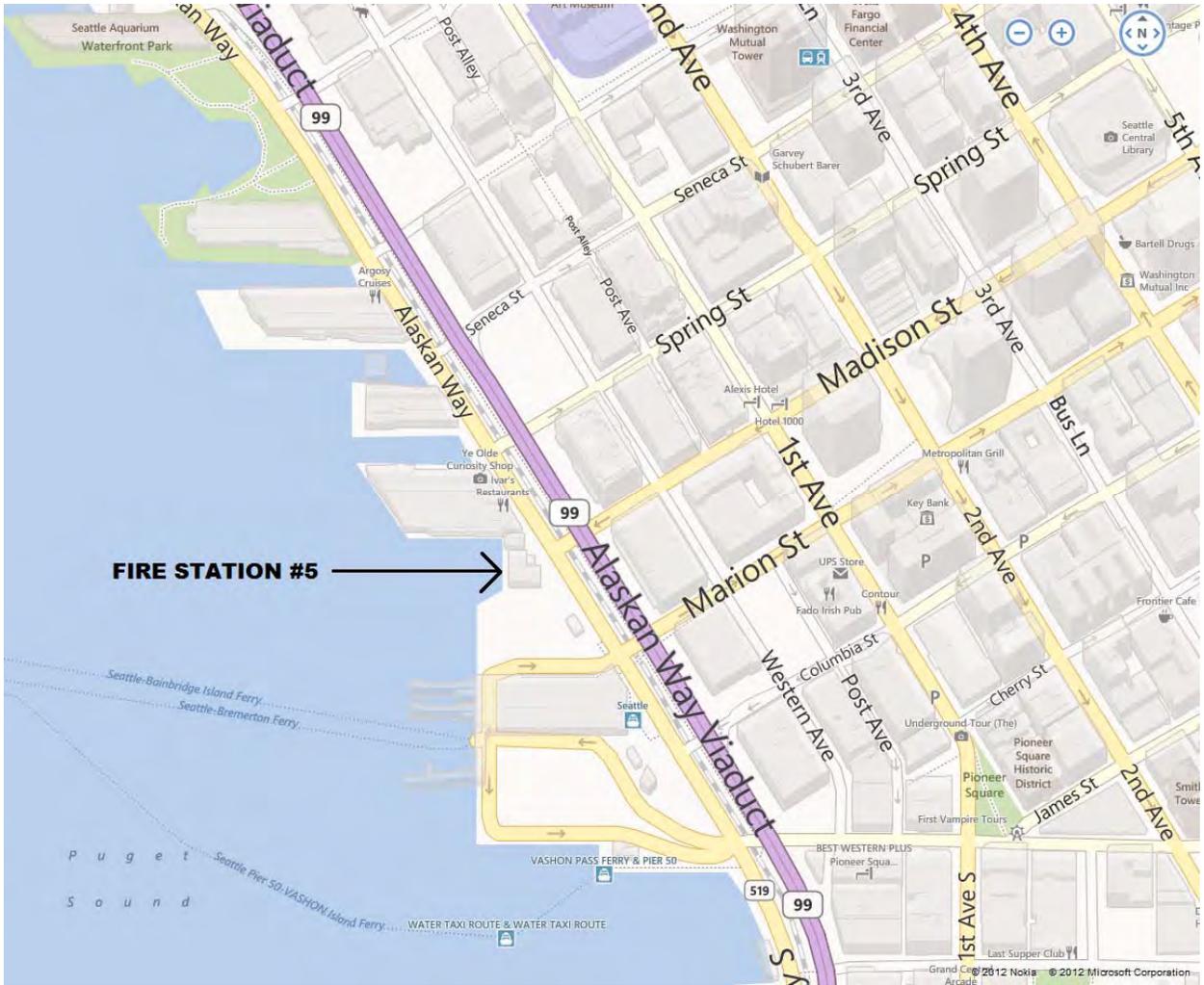
**Attachments:** Architect's Site Plan, Fire Station 5 Aerial Photo, Fire Station 5 vicinity map

**PW# 2016-027**



AERIAL VIEW (LOOKING WEST)

SFD Fire Station No. 5 Pier and Pile Condition Review



VICINITY MAP

## Public Works Number Request

### Seattle Municipal Tower Side Sewer Replacement

**Administering Department:**

Finance and Administrative Services: CDCM

**Project Contact:**

Kevin Sahara, 206-684-8094, kevin.sahara@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project Location: 700 5<sup>th</sup> Avenue, Seattle, WA
- Project Description: Replacement of broken side sewer pipe
- Ordinance No: 124927

**Project Scopes:**

- New side sewer construction that crosses 5<sup>th</sup> Avenue and the Washington Department of Transportation express lanes before entering the Seattle Municipal Tower.

**Target Bid Date:** June 29. 2016

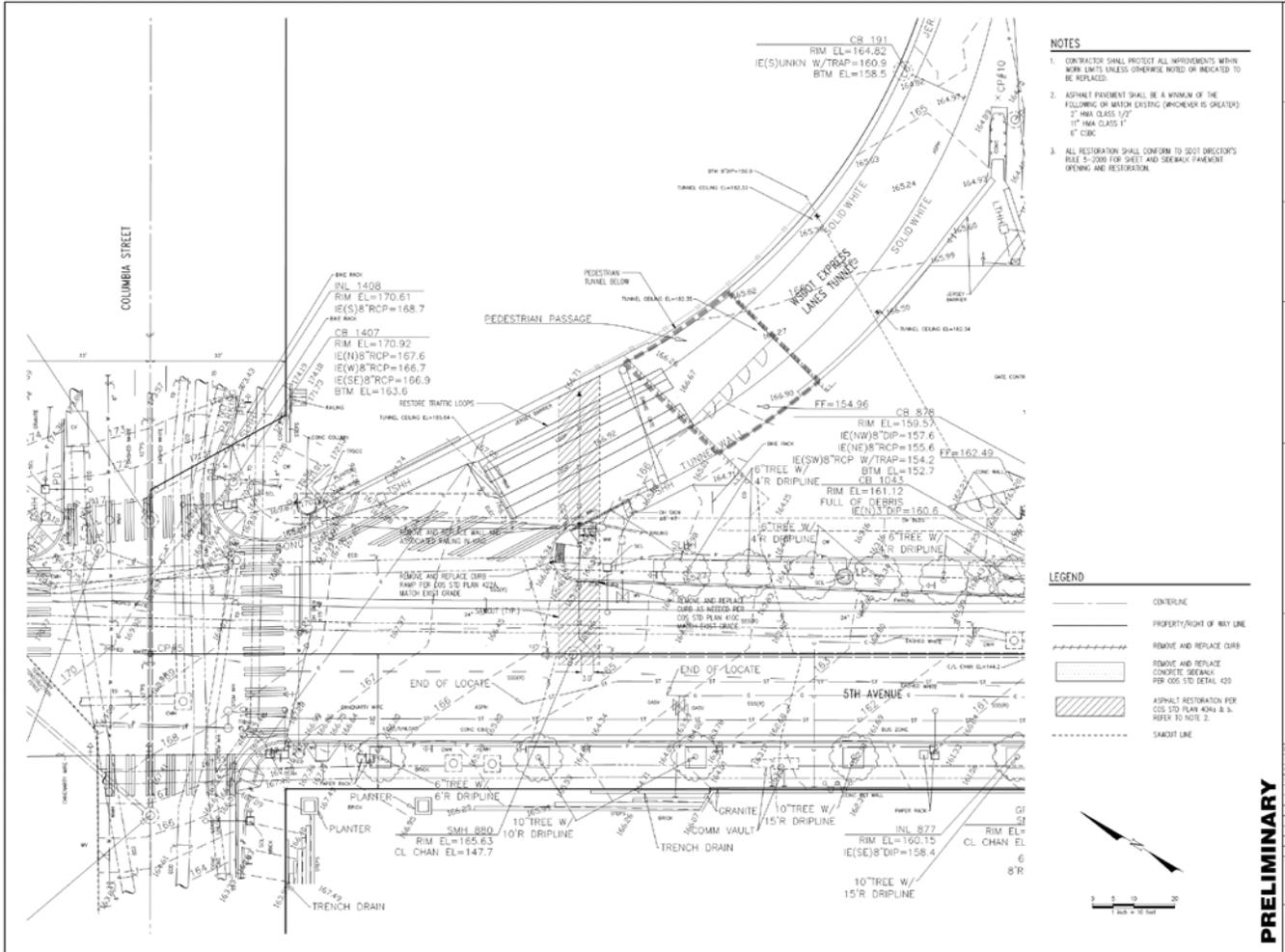
**Working Construction Estimate:**

- \$652,268
- Funding Source: Asset Preservation

**Attachments:**

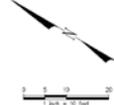
**PW# 2016-028**

# Public Works Number Request



- NOTES**
1. CONTRACTOR SHALL PROTECT ALL IMPROVEMENTS WITHIN WORK LIMITS UNLESS OTHERWISE NOTED OR INDICATED TO BE REPLACED.
  2. ASPHALT PAVEMENT SHALL BE A MINIMUM OF THE FOLLOWING OR BETTER EXISTING (WHICHEVER IS GREATER):  
 2" HMA CLASS 1/2"  
 1" HMA CLASS 1"  
 6" C&G
  3. ALL RESTORATION SHALL CONFORM TO SDD DIRECTOR'S RULE 5-209 FOR SHEET AND GROUND PAVEMENT OPENING AND RESTORATION.

- LEGEND**
- CENTERLINE
  - PROPERTY/RIGHT OF WAY LINE
  - REMOVE AND REPLACE CURB
  - REMOVE AND REPLACE CONCRETE SIDEWALK FOR 100.5'SS DETAIL 420
  - ASPHALT RESTORATION FOR CGS STD PLAN 409A & B. REFER TO NOTE 2.
  - SMOOT LINE



**PRELIMINARY**

## Public Works Number Request

### Seattle Municipal Tower Envelope Improvements Phase 2

**Administering Department:**

Finance and Administrative Services - CDCM

**Project Contact:**

Michael Johnson, Senior Project Manager

Capital Development & Construction Management City of Seattle – Finance & Administrative Services

700 5th Avenue, Suite 5200

PO Box 94689

Seattle, WA 98124

Desk 206.386.1367

Mobile 206.214.5993

Spec Writer - Miller Hayashi Architects – Marlo Dowell

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 700 5<sup>th</sup> Avenue Seattle, WA 98124
- General Description:
  1. Base Bid boundary includes all area on the South façade of the building near gridlines D&F, from floors 14, 16 & 17 to the underside of concrete gutter at Floor 58 as indicated on the drawings:
    - a. Exterior Sealant Replacement:
      - 1) Removal of existing elastomeric sealant at sealant conditions (including but not limited to Stone, Metal, EIFS, Curtainwall)
      - 2) Partial Removal of glazing unit gasketing to be replaced
      - 3) Taping glazing area where gasketing is removed to provide clean fillet joint
      - 4) Surface cleaning and prep for new sealant joints
      - 5) Installation of backer rods or bond breaker tape, and elastomeric sealant.
    - b. Repair of broken or cracked stone panels, including but not limited to:
      - 1) Cleaning, prepping and filling of areas of spalling
      - 2) Cleaning, prepping and filling cracks
    - c. Replacement of small metal roof at 58th Floor, including but not limited to:
      - 1) Replacement of sheet metal flashing and sealant renovation.
      - 2) Replacement of Metal Roofing
      - 3) Replacement of all sealant
- DBB bid in late April with substantial completion approximately December 30, 2016
- Ordinance No.: 124927

**PW# 2016-054**

## Public Works Number Request

### Project Scopes:

- **DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS**
- **DIVISION 01 GENERAL REQUIREMENTS**
- **DIVISION 4 MASONRY**
  - 04 01 40 STONE REPAIR
- **DIVISION 7 THERMAL AND MOISTURE PROTECTION**
  - 07 56 00 Fluid Applied Roofing and Flashing
  - 07 61 00 SHEET METAL ROOFING
  - 07 62 00 Sheet Metal Flashing and Trim
  - 07 92 00 Joint Sealants.

**Target Bid Date: April 30, 2016**

### Working Construction Estimate:

- \$696,599 Base Bid
- Funding Source: Asset Preservation - Fund 00168

# Public Works Number Request

## Haller Lake Vehicle Maintenance HVAC, Lighting & Misc. Plumbing Mods

### Administering Department:

Finance and Administrative Services - CDCM

### Project Contact:

Joan Hitchner, 206-233-3884, joan.hitchner@seattle.gov

Osborn Architects Inc., Jerry Osborn, Principal, 206-631-8442 x-2607, josborn@osbornarchitectsinc.com

### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 12600 N Stone Avenue, Seattle WA 98103 Haller Lake campus – Vehicle Maintenance Building, North end of campus
- Project description: Installation of three exhaust fans (1 relocated and 2 replaced), installation of radiant heaters, heat pump water heater, new utility sink, and lighting upgrades. Project includes controls upgrade and tie in to central monitoring.
- Fall 2016 construction. Site will remain occupied during construction.
- Ordinance No. 124927

### Project Scopes:

SCOPE OF WORK	
TOTAL AREA OF WORK:	200 SF
TOTAL AREA OF PROPOSED ADDITION / SITE DISTURBANCE:	0 SF
<b>OMITTED FORMS:</b> CONSTRUCTION STORM WATER CONTROL AND DRAINAGE STANDARD PLANS, EQUIPMENT SIZING FORM, TARGET UA CALCULATION FORM, WASTE DIVERSION PLAN, DECONSTRUCTION AND SALVAGE ASSESSMENT - ALL REQUIRED FOR PROJECTS OF 500 SF (MIN.) OF NEW AREA, SITE DISTURBANCE OR AREA OF WORK (WORK DOESNT QUALIFY FOR PRIORITY GREEN STATUS)	
<b>DECOMMISSIONING, REMOVAL, OR RELOCATION</b>	
• (2) EXISTING FAN UNITS (INTERIOR WALL MOUNTED), RELATED DUCTS, AND ROOF VENTS (EAST) - RELOCATION AND REPLACEMENT AS REQUIRED	
• (1) WALL MOUNTED AIR INTAKE (WEST) - REMOVAL	
• (1) ROOFTOP EXHAUST FAN UNIT (WEST) - REPLACEMENT	
• PARTIAL - DOMESTIC WATER COPPER PIPING	
• UTILITY SINK - REMOVAL AND REPLACEMENT PARTIAL REMOVAL - ROOF AREAS - TO ACCOMMODATE NEW INSTALLATIONS	
• RELOCATION OF EXISTING INTERIOR LIGHTS (NORTH SIDE)	
<b>NEW INSTALLATIONS - SYSTEM CONTROLS</b>	
• VFD ON VEHICLE EXHAUST SYSTEM UNITS	
• BDC SYSTEM CONTROLS - RADIATOR CRANK, FANS, AND SETPOINTS	
• NEW WATER METER INSTALLATION FOR WASH RACK ONLY	
<b>OTHER NEW INSTALLATIONS</b>	
• (2) ROOFTOP VARIABLE SPEED EXHAUST FAN UNITS (1 RELOCATED AND 1 REPLACED)	
• (1) ROOFTOP EXHAUST FAN UNIT (REPLACEMENT)	
• RADIANT HEATERS (INTERIOR)	
• CHW HEAT PUMP	
• UTILITY SINK	
• EXTERIOR LIGHTING REPLACEMENTS - HIGHER EFFICIENCY UNITS	
• EXTERIOR LIGHTING ADDITIONS - NORTH ELEVATION POLE AND ENTRY LIGHTING WITH RELATED SENSORS AND CONTROLS	

# Public Works Number Request

- Primary construction scopes:

<b>DIV #</b>	<b>DESCRIPTION</b>	
05 50 00	Misc steel	\$15,880
06 10 00	Misc Carpentry	\$4,800
07 52 00	SBS Roof Patching	\$6,000
07 62 00	Sheet Metal Flashings	\$3,500
	Mechanical estimate (see attached)	\$230,150
	Electrical estimate (see attached)	\$49,450

**Target Bid Date:** July 20, 2016

**Working Construction Estimate:**

- \$440,000 (cost estimate attached)
- Funding Source: Asset Preservation

**Attachments:** Project drawings

# Public Works Number Request

## Seattle Municipal Tower IDF Room Upgrades Phase I

### Administering Department:

Finance and Administrative Services-Capital Development & Construction Management

### Project Contact:

Ryan Kennedy      206-684-5763      [ryan.kennedy@seattle.gov](mailto:ryan.kennedy@seattle.gov)

### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project Location: 700 Fifth Avenue, Seattle WA 98124-4689
- Description: Separation, cooling and sealing of IDF Rooms on Floors 40, 55, 57, and 60 of Seattle Municipal Tower. Create discrete zones for mechanical cooling including dedicated cooling systems and lighting upgrades for each room.
- Occupied facility with active communication and data systems. Coordination with City Seattle IT and after hours work will be required.
- Ordinance Number: 124927

### Project Scopes:

- Selective Demolition (ceiling assemblies)
- Nonstructural metal framing
- Rough Carpentry
- Sheathing
- Gypsum Wall Board
- Thermal Insulation
- Sheet Metal Flashing and Trim
- Joint Sealants
- Interior Painting
- Fire Suppression Work
- Plumbing
- Heating, Ventilating and Air Conditioning
- Electrical Provisions for Mechanical Work
- Vibration Isolation
- Low Voltage Electrical
- Panel boards
- Wiring Devices
- Lighting

**PW# 2016-123**

## Public Works Number Request

**Target Bid Date:** October 5, 2016

**Working Construction Estimate:**

- \$355,000
- Funding Source: SMT IDF Infrastructure Upgrades – 36300

**Attachments:**

Project Information Drawings

## Public Works Number Request

### Seattle Fire Department Headquarters Cladding Restoration

**Administering Department:**

Finance and Administrative Services – Capitol Development & Construction Management Division

**Project Contact:**

Ryan Kennedy, 206-684-5763, [ryan.kennedy@seattle.gov](mailto:ryan.kennedy@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- 301 2<sup>nd</sup> Avenue S., at the intersection of 2<sup>nd</sup> Avenue S and S Main Street, in Pioneer Square Historic District
- Select repairs, cleaning, and sealing of the exterior cast stone. Remove and replace existing steel support lintels, provide new anchors. Repointing stone, sealant replacement and protecting of existing window frames.
- Occupied active response facility. Work scopes require specific weather conditions to be successful. Project will be award with a flexible construction start to allow for weather window that meets requirements of project.
- Ordinance No: 124927

**Project Scopes:**

- Treatment of Historic Materials
- Selective Removal
- Architectural Precast Stone and Repair
- Precast Stone Repointing and Cleaning
- Structural Steel
- Fluid Applied Membrane
- Cast Stone Cleaning and Water Repellents
- Sheet Metal Flashing and Trim
- Joint Sealants

**Target Bid Date:** January 12, 2017

**Working Construction Estimate:** \$500,000

- Funding Source: Asset Preservation - 00168

**Attachments:** See attached.

**PW# 2016-135**



# City Wide Pool Renovation Projects

Total Project Budget:  
\$8,400,000 (for 7  
projects)

Planning & Design:  
2016-2017

Construction:  
2017-2021  
(Bid Q2 2017)

Project Manager:  
Toby Ressler



The projects renovate and upgrade utility systems and interiors of pools within the city. Multiple pools will be completed over an expanded time period to limit closures. Pools include Ballard, Madison, Evers, Meadowbrook, Mounger, Queen Anne and Southwest.



# Play Area Renovation Projects

Total Project Budget:  
\$850,000 (4-6 sites)

Planning & Design:  
2016-2017

Construction:  
2017-2018  
(Bid dates vary)

Project Manager:  
Multiple



Each year a number of play areas are renovated throughout the city. The work typically includes drainage, irrigation, concrete curbing and sidewalks, replacement of play equipment, safety surfacing and plantings.



# Development of Land-banked Sites

Total Project Budget:  
\$7,500,000 for  
(5 projects)

Planning & Design:  
2016-2017

Construction:  
2017-2019  
(Bid Q2, Q4, Q4 2017)

Project Manager:  
Varies



Multiple land-banked sites will be developed in the next three years in the following locations: Downtown Seattle at Westlake & Lenora, North Rainier Beach, Fremont, Lake City and Greenwood. These projects develop new parks on sites that were once privately owned. They include a full range of development from demolition of existing structures to new utilities and site amenities.



# Comfort Station and Shelterhouse Renovations

Total Project Budget:  
\$400,000 (2-3 sites)

Planning & Design:  
2016-2017

Construction:  
2017-2018  
(Bid Q1, Q2 2017)

Project Manager:  
Varies



Each year a few comfort stations and shelterhouses are renovated throughout the city. The work typically includes plumbing, electrical, ADA upgrades, interior improvements, roofing, painting and adjacent paving upgrades.



# Yesler Terrace Development

Total Project Budget:  
\$4,230,000

Planning & Design:  
2014-2016

Construction:  
2017-2018  
(Bid Q1 2017)

Project Manager:  
Toby Ressler



The scope of this project is to develop a 1.7 acre site into a new neighborhood park that is part of the Yesler Terrace Master Planned Community. The site is adjacent to Yesler Community Center. The work includes earthwork, utilities, electrical, play area, water play, sport court, retaining walls and concrete, artwork, open lawn and plantings.



# Public Works Number Request

## Highland Park Playground Improvements

### Administering Department:

PARKS AND RECREATION: Planning and Development Division

### Project Contact:

Kelly Goold	<a href="mailto:Kelly.goold@seattle.gov">Kelly.goold@seattle.gov</a>	684.0586
Pam Alspaugh	<a href="mailto:Pamela.alspaugh@seattle.gov">Pamela.alspaugh@seattle.gov</a>	684.7328

### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Highland Park, 1001 SW Cloverdale St, Seattle WA 98106
- Project description: Playground and Ballfield Renovation with associated circulation pathways.
- Maintain public access to NE Ballfield and North to South pedestrian access through park during construction.
- Ordinance No. 124927

### Project Scopes:

- Demolish existing play-area, ballfield and associated paving. Provide associated grading. Provide and Install; new play-area curb, play-area surfacing, ballfield back-stop, landscaping, and site furnishings. Install Owner provided play-area equipment. Modify existing irrigation system and exterior lighting system.

**Target Bid Date:** May 18 – June 8, 2016

### Working Construction Estimate:

- \$602,700
- Funding sources: 2008 Park Levy Opportunity Fund, Metropolitan Parks District, and King County Play Area grant funding

**Attachments:** Estimate and Site Plan

**PW# 2016-056**



# DESIGN DEVELOPMENT PLAN

## HIGHLAND PARK REDEVELOPMENT

MARCH 3, 2015



## Public Works Number Request

### VIRGIL FLAIM PARK LAKE CITY SKATESPOT

**Administering Department:**

PARKS AND RECREATION: PLANNING AND DEVELOPMENT DIVISION

**Project Contact:**

Jay Rood, Capital Projects Coordinator, 206 733-9194, jay.rood@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB) – Small Projects

- Project location: 12312 26<sup>th</sup> Avenue Northeast, Seattle, WA – lake City Neighborhood
- Project description: Construct a new skatepark (Skatespot) and replacement basketball court with associated access pathways, stormwater infiltrations and reseeding in the Northeast corner of this existing park.
- Scheduled construction set for summer of 2016 with completion by fall of 2016
- Ordinance No.: 124262

**Project Scopes:**

- Primary construction scopes: ECS, clearing, grubbing, excavation, demolition, drainage/infiltration system; grading; specialty concrete; AC paving; irrigation, seeding, tree planting; site furniture and recreation equipment.

**Target Bid Date:** April 6, 2016

**Working Construction Estimate:**

- \$460,000
- Funding source: 2008 PLF Opportunity Fund

**PW# 2016-062**

# Public Works Number Request



**PW# 2016-062**

## Public Works Number Request

### MARRA-DESIMONE PARK PHASE 2 IMPROVEMENTS

**Administering Department:**

PARKS AND RECREATION – PLANNING AND DEVELOPMENT

**DIVISION Project Contact:**

Jay Rood, Capital Projects Coordinator      206 733-9194    jay.rood@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

X Design Bid Build (DBB) – Small Projects

- Project location: 9026 4<sup>th</sup> Avenue South, Seattle, WA – South Park Neighborhood
- Project description: Construct a Phase 2 park improvements, including AC paved parking area; accessible people and maintenance vehicle access pathways; farm material storage area; gathering/commons lawn; viewpoints and rest areas (benches and tables); seeding and tree plantings; irrigation system ; and use of existing SPU swale for stormwater management.
- Scheduled construction set for summer of 2016 with completion by fall of 2016
- Ordinance #: 124590

**Project Scopes:**

- Primary construction scopes: ECS, clearing, grubbing, excavation; grading; concrete; AC paving; irrigation; seeding and tree planting; metal gates and site furniture.

**Target Bid Date:** July, 2016

**Working Construction Estimate:**

- \$650,000
- Funding Source: 2008 PLF

**Attachments:**

**PW# 2016-065**

## Public Works Number Request

### SEATTLE SENSORY GARDEN AT WOODLAND PARK ZOO

**Administering Department:**

PARKS AND RECREATION – PLANNING AND DEVELOPMENT DIVISION

**Project Contact:**

Jay Rood, Capital Projects Coordinator      206 733-9194    jay.rood@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

X Design Bid Build (DBB) – Small Projects

- Project location: 1000 North 50<sup>th</sup> Street, Seattle, WA – Woodland Park Zoo - Phinney Neighborhood
- Project description: Construct a new Garden adjacent to the WPZ Rose Garden, Including: accessible people pathways; raised planters, garden sensory elements (for sound, sight/visual, smell/taste, feel/touch, and spatial experience); irrigation, and metal fencing.
- Scheduled construction set for summer of 2016 with completion by fall of 2016
- Ordinance #: 124590

**Project Scopes:**

- Primary construction scopes: ECS, clearing, grubbing, excavation; grading; concrete paving; irrigation; shrub and tree planting; metal planters and fencing; synthetic turf mound and rock/stone and log placement.

**Target Bid Date:** May, 2016

**Working Construction Estimate:**

- \$500,000
- 2008 PLF – OPPORTUNITY FUND

**Attachments:**

**PW# 2016-066**

# Public Works Number Request



## Public Works Number Request

### Freeway Park Fountain Discharge Retrofit

**Administering Department:**

Seattle Parks and Recreation: Planning and Development Division

**Project Contact:****Project Manager**

Sandi Albertsen  
Capital Projects Coordinator,  
Assistant (206) 684-8938 (office)  
(206) 849-4658 (cell)  
sandra.albertsen@seattle.gov

**Spec Writer**

Mayfly Engineering + Design PLLC  
Robin McKennon Thaler, PE, LEED, AP  
Principal Engineer  
(206) 935-5356  
robin@mayflyeng.com

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- **Project Location:** Jim Ellis Freeway Park, 700 Seneca St.
- **Description:** Re-routing the “black water” backwash drainage system for the three (3) fountains so that the discharge is going to the sanitary sewer not the storm sewer.
- **Time or project site constraints:** Substantial completion by end of 2016
- **Ordinance No.:** 123985

**Project Scopes:**

- Canyon Cascade Fountain: disconnect the outlet pipe from the fountain filter backwash system in the mechanical room from the storm drain service. Install a pump reservoir and pump system in the floor of the mechanical room adjacent to the backwash system, connect the outlet pipe to the reservoir, construct a new sanitary service from the new reservoir to the sanitary main in Hubbell Place. The new service will require a pressurized pipe that runs up the mechanical room wall and through the mechanical room ceiling from the ceiling puncture the pressurized service will be attached to the Canyon Cascade fountain wall until it reaches the park level to the east of the fountain. At this location the side service will be buried under the park lid as it continues towards the sanitary main in Hubbell Place and connect to the existing manhole.

**PW# 2016-097**

## Public Works Number Request

- American Legion Fountain: disconnect the outlet pipe from the fountain filter backwash system in the mechanical room from the storm drain service. Install a pump reservoir and pump system into the floor of the mechanical room adjacent to the backwash system, the reservoir will hang from the ceiling in the parking level below, connect the outlet pipe to the reservoir, construct a new sanitary service from the new reservoir through the mechanical room wall into the buried park lid as shown on plans. The pipe will leave the buried lid at the east face of the parking garage and hang on the garage outer wall until it connects to the existing sanitary service as shown on plans.
- Paul Pigott Fountain: redirect existing fountain outlet from storm drain main to sanitary main per construction plans. This involves putting a stub in the existing storm drain service and installing a new service that connects to the existing sanitary manhole. A new manhole is required at the location the existing fountain outlet pipe is redirected to the sanitary main. The concrete panel and adjacent curb located in the road will need to be replaced after pipework is complete.

**Target Bid Date:** Anticipated Bid Opening June 30, 2016

**Working Construction Estimate:**

- Canyon Cascade Fountain      \$157,061.00
- American Legion Fountain      \$ 82,056.00
- Paul Pigott                              \$ 54,580.00
- Total                                      \$293,697.00
- Funding Source: CRF-RII

**Attachments:**

## Public Works Number Request

### John Street Enhancement

**Administering Department:**

Seattle Parks and Recreation, Planning and Development

**Project Contact:**

Toby Ressler      206-615-1482      Toby.Ressler@Seattle.Gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 200 Summit Ave. E, Seattle, WA 98102
- Project description: Expansion of existing Park.
- Ordinance No. 123560

**Project Scopes:**

Demolition of existing concrete curb, sidewalk, street trees, irrigation equipment drainage structures, and other site features as required. Construction of new sidewalk, curbs, street paving, ADA curb cuts, storm drainage pipe and structures, street trees, benches, tables, steel retaining walls, unit pavers, and other site features.

**Target Bid Date:** August 20, 2016

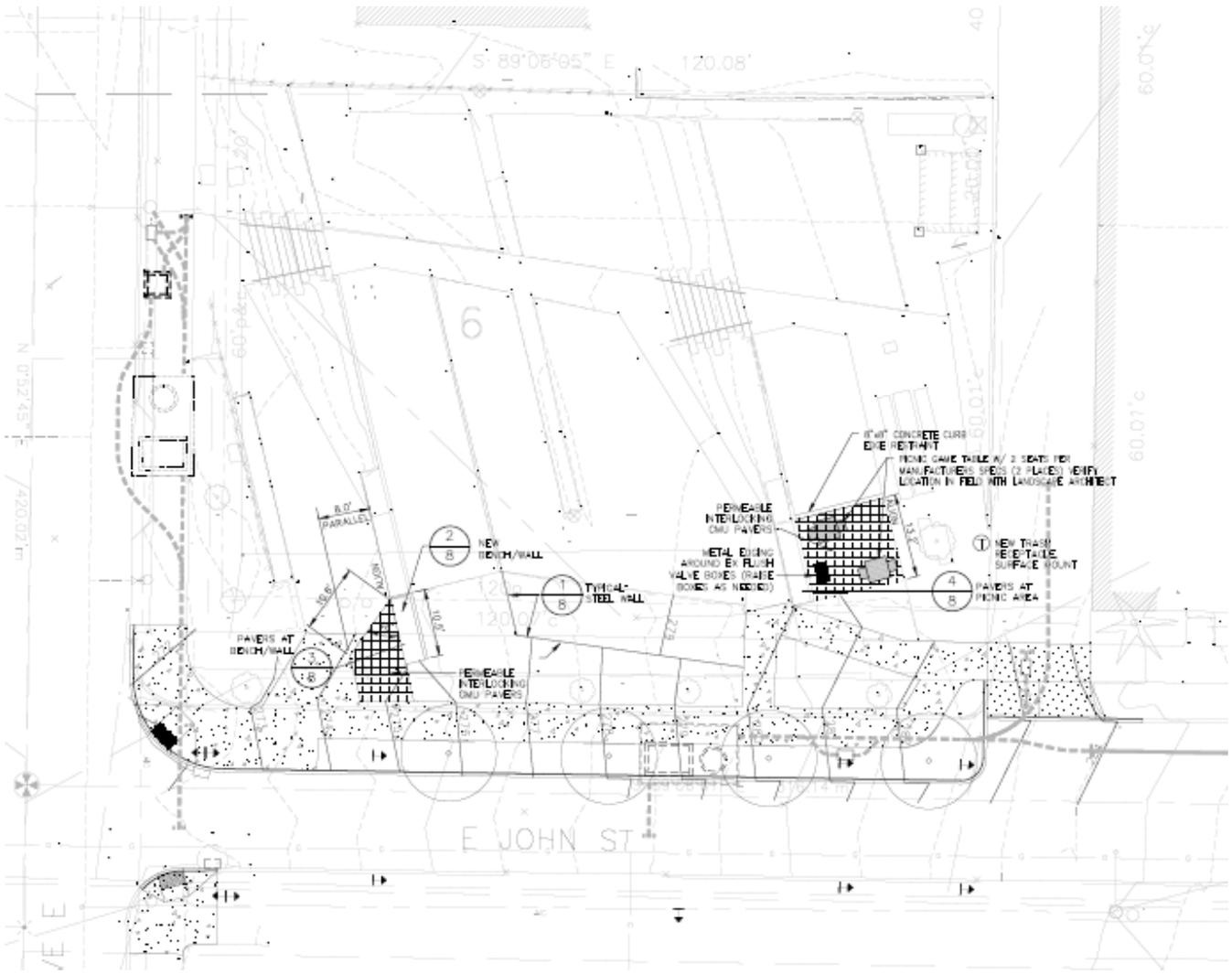
**Working Construction Estimate:**

- \$130,000
- Funding source: 2008 Parks Levy Funds

**Attachments:**

**PW# 2016-104**

# Public Works Number Request



## Public Works Number Request

### Magnuson Park Building 11 Electrical and Water Upgrade

**Administering Department:**

**Seattle Parks and Recreation:** Planning and Development Division

**Project Contact:****Project Manager:**

Chris Mueller  
Capital Project Manager  
Seattle Parks and Recreation  
chris.mueller@seattle.gov  
206-684-0998 (office)  
206-305-6092 (cell)

**Spec Writers:**

Civil:  
WR Consulting, Inc.  
John Rundall  
johnrundall@comcast.net  
206-285-1593 (office)

Electrical:  
Stantec Consulting Services, Inc.  
Chris Fote  
chris.fote@stantec.com  
206 224-3667 (office)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- **Project location:** Magnuson Park Building 11
- **Description:** The project includes Electrical Service upgrade, exterior lighting and Water Service upgrade for Building 11.
- **Time or project site constraints:** Substantial Completion by January 2017
- **Ordinance No.:** 124349

**Project Scopes:**

- Electric and water utility construction; Parking lot lighting; Minor interior building alterations; site restoration (paving and seeding).

**PW# 2016-106**

## Public Works Number Request

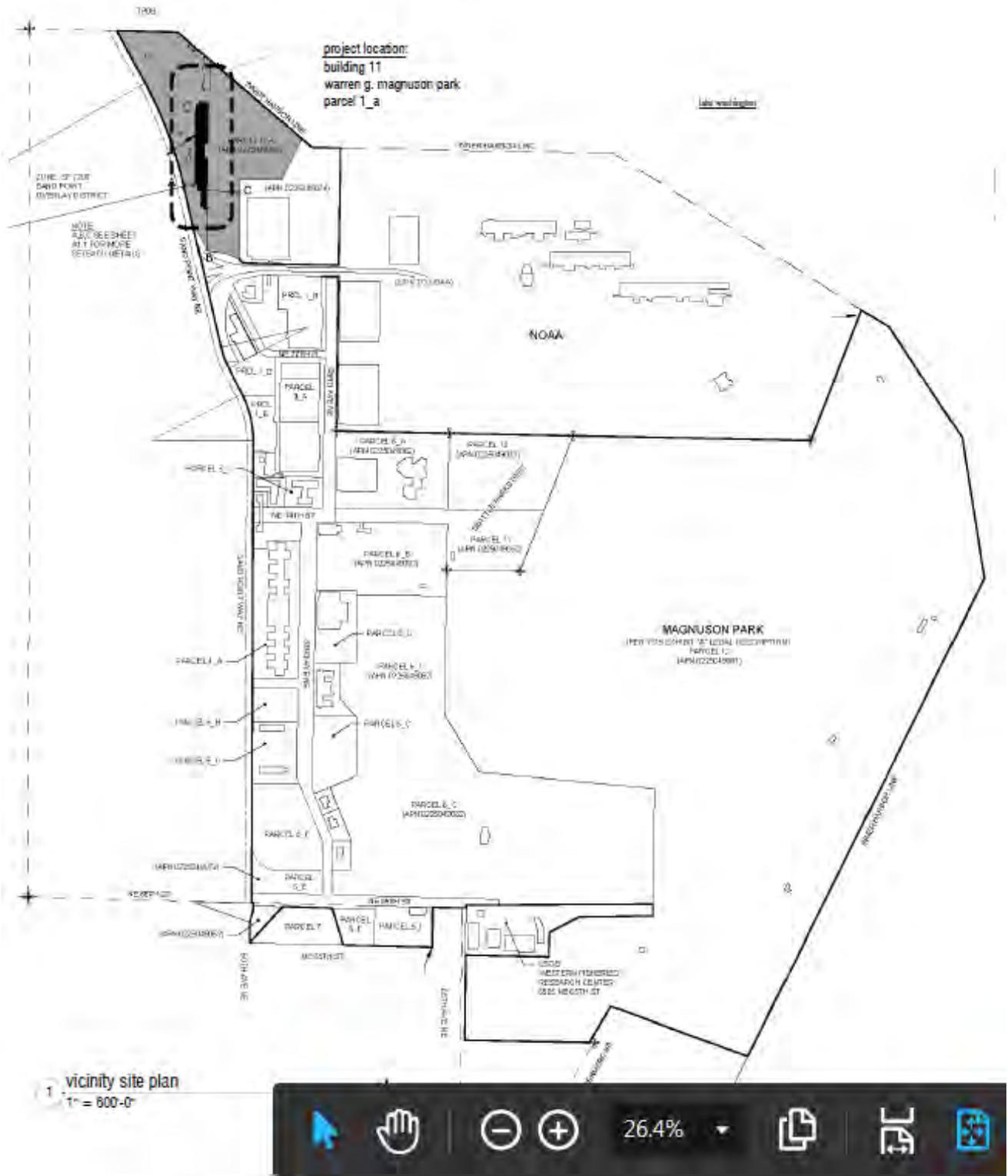
**Target Bid Date:** September 7, 2016

**Working Construction Estimate:**

- **\$ 530,000** (excluding WSST)
- **Funding Source:** CRF-RI

**Attachments:** Vicinity Site Plan

# Public Works Number Request



# Public Works Number Request

## OTHELLO PARK IRRIGATION REPLACEMENT

**Administering Department:**

PARKS AND RECREATION: Planning and Development

**Project Contact:**

Garrett Farrell 206 233-7921 garrett.farrell@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Othello Park at 4351 S Othello St, 98118, Seattle
- Project description: Irrigation system replacement for a large regional park, trenching, piping, valves, site restoration
- Dry season start, minimize public impact
- Ordinance No. 124927

**Project Scopes:**

- Primary construction scopes: trenching, irrigation piping, valves,

**Target Bid Date:** August 2016

**Working Construction Estimate:**

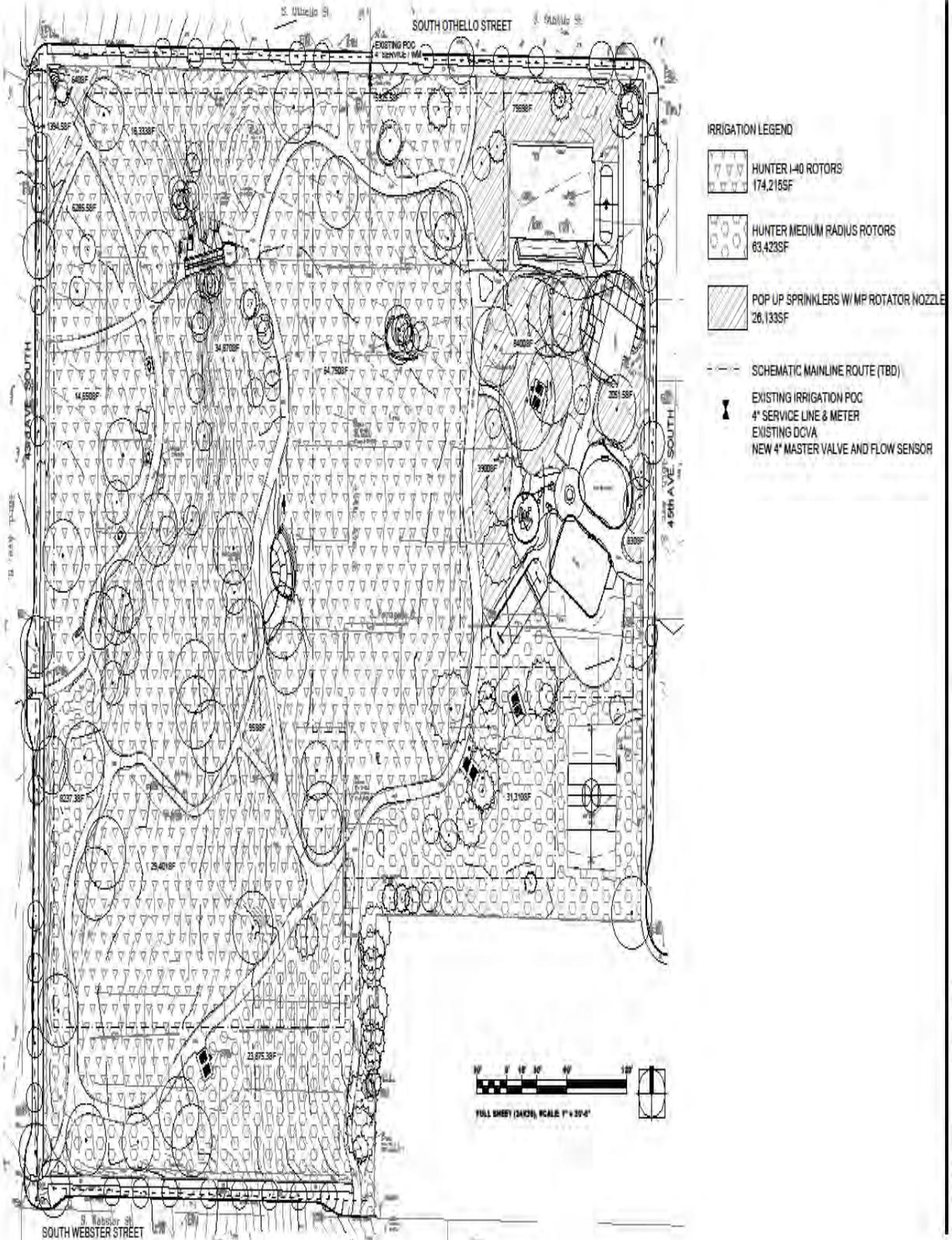
- \$400,000
- Funding Source: Parks Capital Improvement Program (CIP); Metropolitan Parks District (MPD)

PROGRAM_DESC	PROJECT_ID	PROJECT_DESC	SUB_PROGRAM	SUB_PROG_DESC	ACTIVITY_ID	ACTIVITY_DESC	FUND_CODE	ORDINANCE	
K720300	Major Irrigation Study	K730300	Major Maintenance Backlog and	K730300-07	Major Irrigation Study	WC0300071	124927 Major Irrigation Replac	33140	124927

**Attachments:**

**PW# 2016-118**

# Public Works Number Request



**Othello Playground**  
4351 S Othello  
Seattle, WA

Irrigation Schematic  
10/19/2016

# Public Works Number Request

## VIEW RIDGE PLAYFIELD IRRIGATION REPLACEMENT

**Administering Department:**

PARKS AND RECREATION: Planning and Development

**Project Contact:**

Garrett Farrell      206 233-7921    garrett.farrell@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: View Ridge Playfield at 4408 NE 70th St, 98115, Seattle
- Project description: Irrigation system replacement for a large regional park, trenching, piping, valves, site restoration
- Dry season start, minimize public impact
- Ordinance No. 124927

**Project Scopes:**

- Primary construction scopes: trenching, irrigation piping, valves

**Target Bid Date:** August 2016

**Working Construction Estimate:**

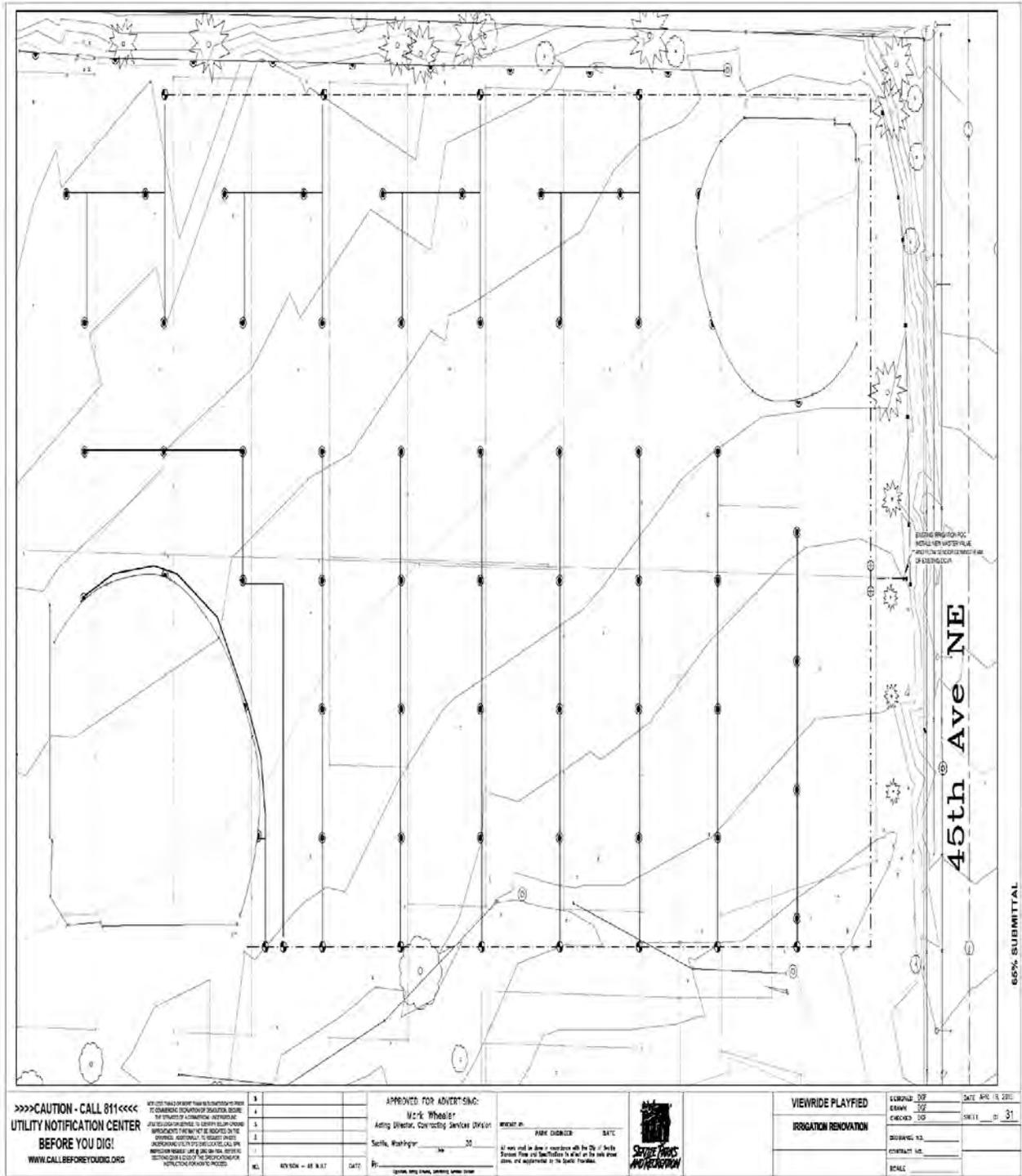
- \$200,000
- Funding Source: Parks Capital Improvement Program (CIP); Metropolitan Parks District (MPD)

PROGRAM_DESC	PROJECT_ID	PROJECT_DESC	SUB_PROGRAM	SUB_PROG_DESC		ACTIVITY_ID	ACTIVITY_DESC	FUND_CODE	ORDINANCE
K720300	Major Irrigation Study	K730300	Major Maintenance Backlog and	K730300-07	Major Irrigation Study	WC0300071	124927 Major Irrigation Replac	33140	124927

**Attachments:**

**PW# 2016-119**

# Public Works Number Request



>>>>CAUTION - CALL 811<<<<  
 UTILITY NOTIFICATION CENTER  
 BEFORE YOU DIG!  
 WWW.CALLBEFOREYOU.DIG.ORG

ANY WORK SHALL BE DONE IN ACCORDANCE WITH THE  
 CITY OF SEATTLE'S STANDARD SPECIFICATIONS FOR  
 CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE  
 FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS  
 FROM THE CITY OF SEATTLE AND THE STATE OF WASHINGTON.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING  
 ALL NECESSARY PERMITS AND APPROVALS FROM THE  
 CITY OF SEATTLE AND THE STATE OF WASHINGTON.

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APPROVED FOR ADVERTISING:  
 Nick Wheeler  
 Acting Director, Contracting Services Division  
 Seattle, Washington Jan 20

PREPARED BY:  
 DATE:  
 4111 1st Ave S, Suite 100, Seattle, WA 98148  
 Phone: (206) 465-1111 Fax: (206) 465-1112  
 www.seattle.gov/publicworks



PROJECT NO.:  
 DATE:

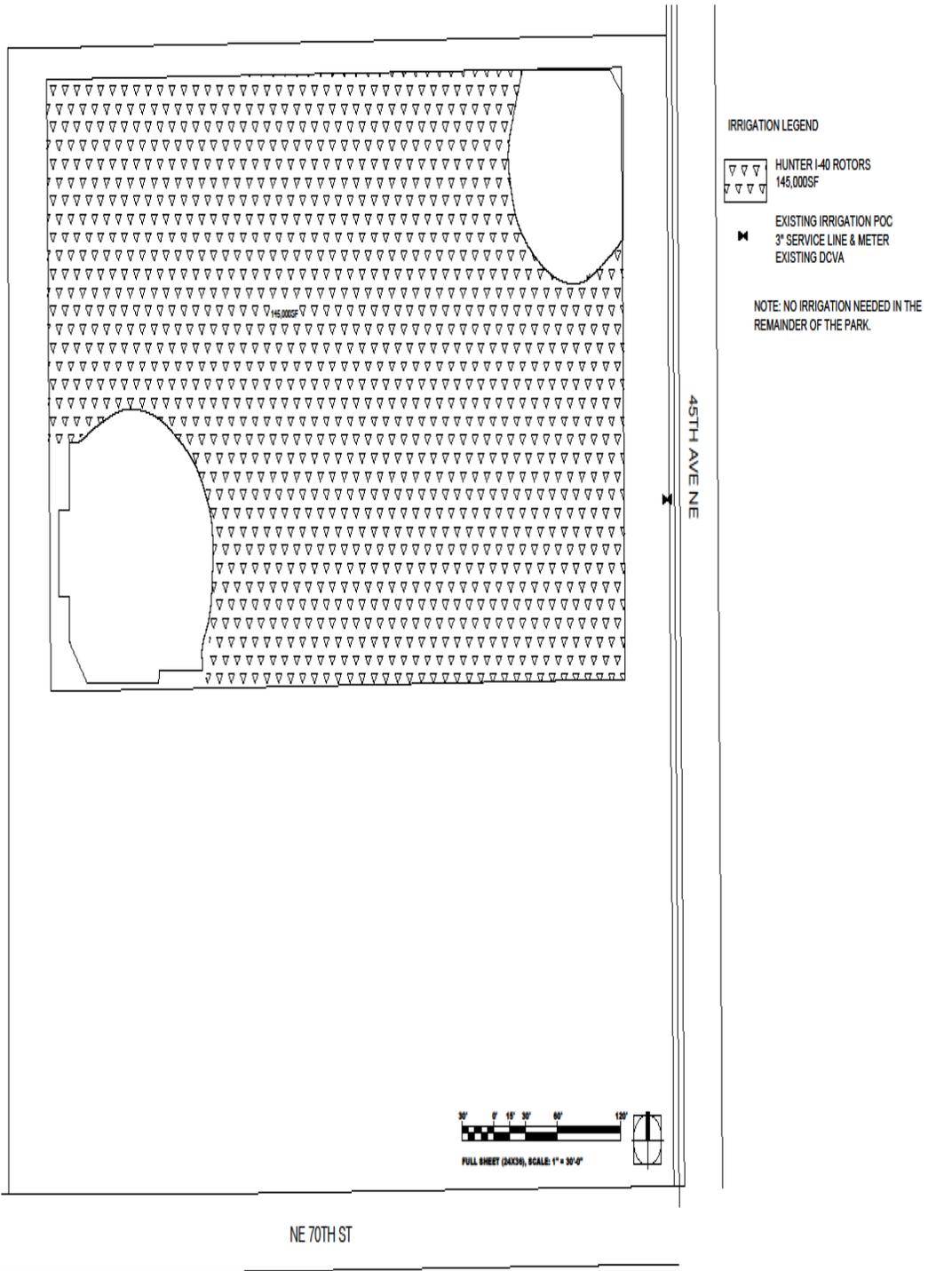
VIEWRIDE PLAYFIELD  
 IRRIGATION RENOVATION

DESIGNED BY:	DATE:	APR 18 2016
DRAWN BY:		
CHECKED BY:		
DESIGNED BY:		
DRAWN BY:		
CHECKED BY:		
SCALE:		

65% SUBMITTAL

PW# 2016-119

# Public Works Number Request



## Public Works Number Request

### GEORGETOWN PLAYFIELD ADA IMPROVEMENTS

**Administering Department:** Parks and Recreation

**Project Contact:** Kent Scott    206.386.4388    kent.scott@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 750 South Homer Street – immediately west of Airport Way South, north of Boeing Field, and a few blocks from Georgetown commercial
- Project description: The work addresses ADA issues, both DOJ citations and other non-compliant elements at the playfield. The work includes upgrades to the comfort station and creates an accessible path connecting primary features. Improvements have been coordinated with future play area upgrades to be completed in 2017.
- Ordinance Number 124648

**Project Scope:** Demolition of paths and interior comfort station elements, new paving, comfort station upgrades, new drinking fountain, and storm water elements

**Target Bid Date:** September 7, 2016

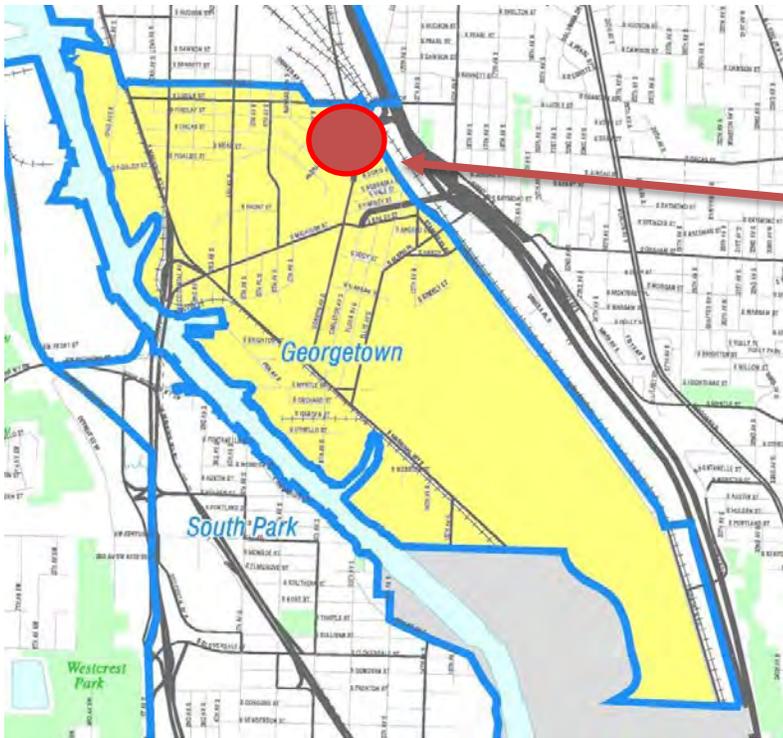
**Working Construction Estimate:** \$176,000.00

**Funding Source:** CRF-RI

**Attachments:**

**PW# 2016-122**

# Public Works Number Request



Georgetown  
Playfield



PW# 2016-122

## Public Works Number Request

### RAVENNA ECKSTEIN COMMUNITY CENTER ADA IMPROVEMENTS

**Administering Department:** Parks and Recreation

**Project Contact:** Kent Scott    206.386.4388    kent.scott@seattle.gov

**General Information and Project Description:**

Design Bid Build

**Project location:** 6535 Ravenna Avenue NE Seattle WA 98115 – one half block north of 65<sup>th</sup> - a commercial street and immediately adjacent to an independent care facility, Full Life Care, and with single family neighborhoods to the north and east.

**Project description:** The work addresses ADA issues, both DOJ citations and other non-compliant elements in the building and site. The building upgrades include staff and public areas – kitchen, stage, and restrooms. Site upgrades include an accessible path connecting primary features.

**Ordinance Number:** 124648

**Project Scopes:** Primary construction scope – demolition of paths, paving, and building elements: construction/upgrades including new paths, paving, restroom fixtures, interior doors, and misc. fixtures

**Target Bid Date:** September 7, 2016

**Working Construction Estimate:** \$180,000.00

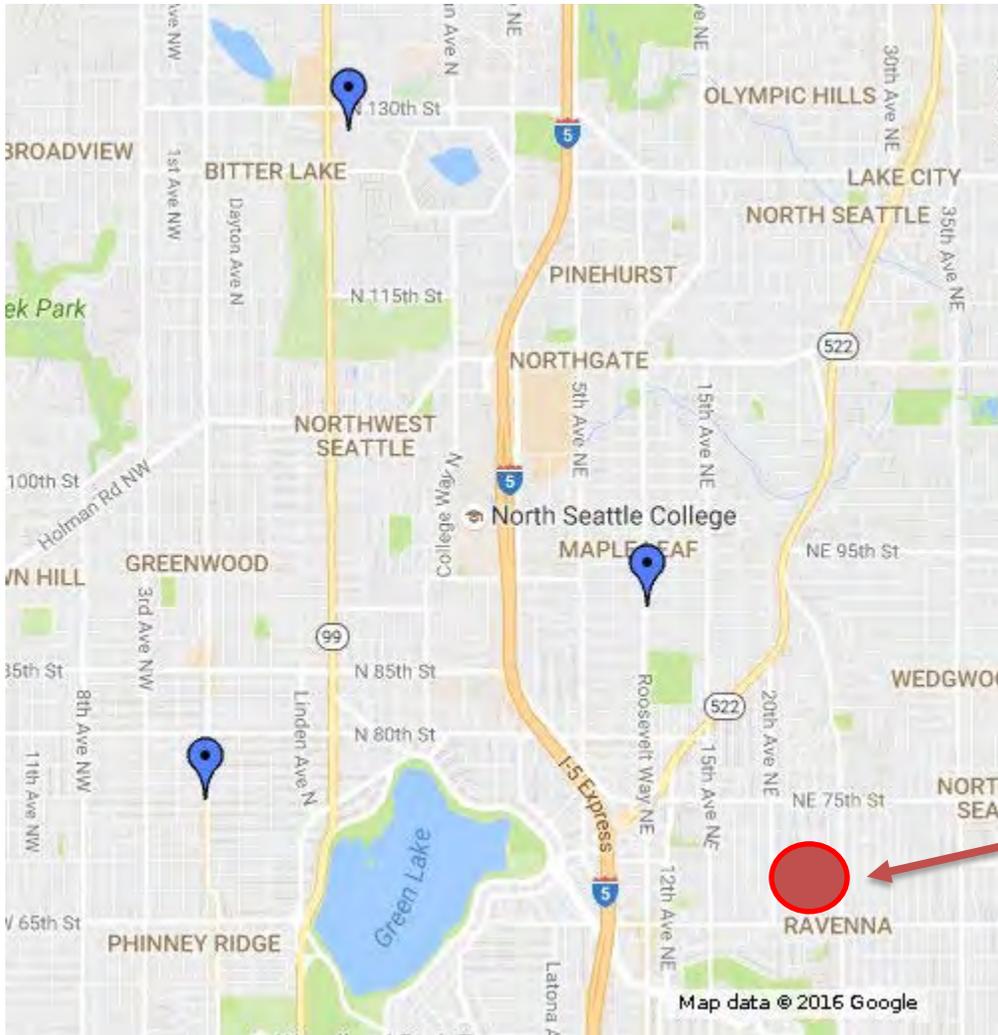
**Funding Source:** CRF-RI

**Attachments:**



**PW# 2016-124**

# Public Works Number Request



Ravenna Eckstein  
Community Center



PW# 2016-124

# Public Works Number Request

## Yesler Park

**Administering Department:**

Seattle Parks and Recreation: Planning and Development

**Project Contact:**

Toby Ressler      206-615-1482      Toby.Ressler@Seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 835 Yesler Way, Seattle 98122
- Project description: New Park
- Ordinance No. 124710

**Project Scopes:**

- The scope of this project is to develop a 1.7 acre neighborhood park adjacent to the existing community center. Park will include open lawn area, soccer spot, play area, fountain, plaza, sidewalks and lighting.

**Target Bid Date:** November 1, 2016

**Working Construction Estimate:**

- \$2,600,000
- Funding Source: 2008 Parks Levy (“Parks and Green Spaces Levy”): A \$145.5 million, six-year levy lid lift passed by Seattle voters in November 2008. The levy is designed to fund park and green space acquisition, capital expansion and renovation of parks, and park facilities throughout the city

**PW# 2016-125**

## Public Works Number Request

### GAS WORKS PARK COMFORT STATION & EAST ENTRY/ADA

**Administering Department:**

Parks and Recreation: Planning & Development Division

**Project Contact:**

Jay Rood 206 733-9194 [jay.rood@seattle.gov](mailto:jay.rood@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Gas Works Park, 2101 N. Northlake Way, Seattle, WA – South Shore of Lake Union
- Project description: Renovation & Replacement Construction of Gas Works Park Comfort Station and East Entry/ADA compliance project(s).
- Construction planned for between September 5, 2016 and June 15, 2017.
- Ordinance No. 124590

**Project Scopes:**

- Scope of work includes: demolition of existing comfort station, foundation walls, and paving and drainage; construction of new 5 station restroom facility (including – structure, utilities and finishes); and installation of ADA parking, replacement paving (concrete, pavers and AC); and landscape/irrigation system improvements.

**Target Bid Date:** October 19, 2016

**Working Construction Estimate:**

- \$750,000
- Funding Source: Parks & Open Space Levy

**Attachments:** Plan Sheet – Project Elements

**PW# 2016-127**



## Public Works Number Request

### **GAS WORKS PARK PLAY AREA RENOVATION**

**Administering Department:**

Parks and Recreation: Planning & Development Division

**Project Contact:**

Jay Rood      206 733-9194      [jay.rood@seattle.gov](mailto:jay.rood@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Gas Works Park, 2101 N. Northlake Way, Seattle, WA – South Shore of Lake Union
- Project description: Renovation & Replacement Construction of Play Area
- Construction planned for between September 5, 2016 and June 15, 2017
- Ordinance No. 124590

**Project Scopes:**

- Scope of work includes: demolition of existing play area equipment and facilities; construction of foundation walls, membrane, and drainage facilities; and installation of play area equipment, pavers, and minor landscape/irrigation system improvements.

**Target Bid Date:** September 21, 2016

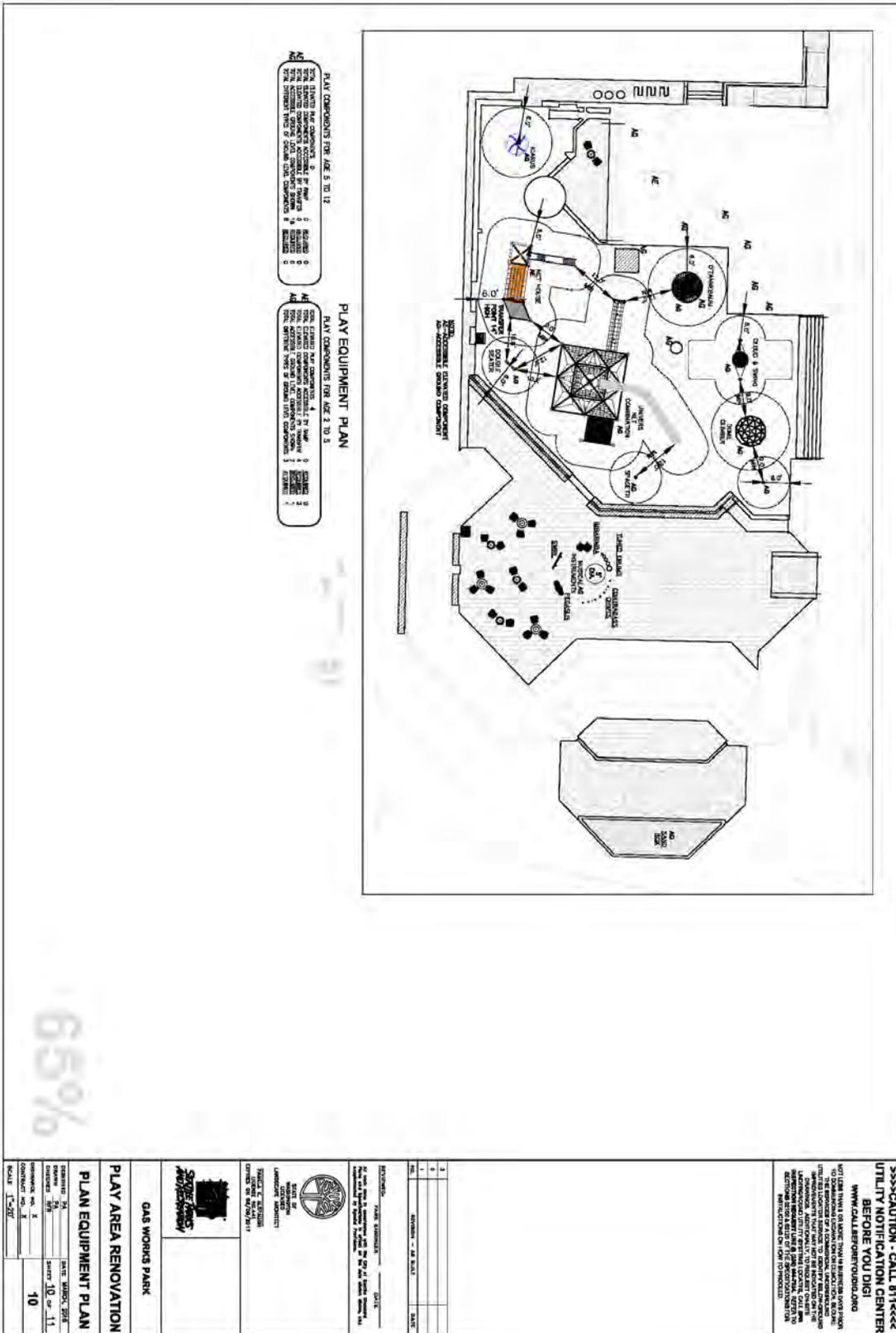
**Working Construction Estimate:**

- \$950,000
- Funding Source: Parks & Open Space Levy

**Attachments:** Play Area Plan

**PW# 2016-128**

# Public Works Number Request



PW# 2016-128

# Public Works Number Request

## BRIGHTON PLAYFIELD RENOVATION

**Administering Department:**

Parks and Recreation: Planning & Development Division

**Project Contact:**

Jay Rood      206 733-9194      [jay.rood@seattle.gov](mailto:jay.rood@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Brighton Park – 6000 39<sup>th</sup> Avenue South, Seattle, WA
- Project description: Playfield Renovation
- Construction planned for between May 2017 and September 2017.
- Ordinance No. 124590

**Project Scopes:**

- Scope of work includes: demolition of existing natural turf field and lighting system; construction of new synthetic turf field and LED field lighting system, including: grading, drainage system, concrete curbing and synthetic turf system, light poles and light fixtures, AC and concrete pathways and spectator areas, and landscape and irrigation improvements.

**Target Bid Date:** February, 2017

**Working Construction Estimate:**

- \$3.6 million
- Funding Source: Parks Open Space Levy

**Attachments:** Brighton Playfield Plan

**PW# 2016-129**

# Public Works Number Request



## Public Works Number Request

### Activating and Connecting Greenways: Rainier Beach Playfield

#### Administering Department:

Seattle Parks and Recreation: Planning and Development Division

#### Project Contact:

##### Project Manager

Sandi Albertsen

Capital Projects Coordinator, Assistant

(206) 684-8938 (office)

(206) 849-4658 (cell)

sandra.albertsen@seattle.gov

##### Spec Writer

Johnson+Southerland

Maggi Johnson, ASLA, LEED AP

Principal

(206) 723-8275 ext. 223

MJohnson@johnsonsoutherland.com

#### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- **Project Location:** Rainier Beach Playfield,
- **Description:** Replace and widen the existing north/south asphalt path to address poor path conditions. Lay a new four (4) foot wide asphalt path between the existing ball fields connecting Dunlap Elementary with the play area.
- **Time or project site constraints:** Substantial completion by end of 2016
- **Ordinance No.:** 124927

#### Project Scopes:

- Replace and widen the existing north/south asphalt path so it can function as a multi-use trail as part of the proposed neighborhood greenway.
- Maintain connections to Dunlap Elementary.
- Protect existing trees to the greatest extent feasible while minimizing future road damage to the path.
- Protect existing irrigation system to the greatest extent feasible, moving components as necessary.

**PW# 2016-130**

## Public Works Number Request

**Target Bid Date:** Anticipated Bid Opening August 31, 2016

**Working Construction Estimate:**

- Rainier Beach Playfield Path Upgrades \$165,671.00
- Funding Source: Metropolitan Parks District (MPD)

**Attachments:** Site Map

## Public Works Number Request

### Greenwood Building Demolition and Site Restoration

**Administering Department:**

Seattle Parks and Recreation

**Project Contact:**

Katie Bang, Project Manager; 206-684-9286; Katie.bang@seattle.gov

Bill Kane, Eco Compliance, Spec writer (425) 271-5629; bill@ecocompliance.biz

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

X Scoped Bid Build (Approved by Elsa Tibbits on 07/27/16)

- Address: North Parcel: 8118 Greenwood Ave N., South Parcel 8102 Greenwood Ave N. Seattle WA 98103
- General Description: Demolition and abatement of 2 buildings, removal of four underground storage tanks. (UST's) site restoration.
- Project timelines: Tenants vacate the site August 31<sup>st</sup>. Demolition to occur as soon as possible. Schematic design for park development is underway. Construction for park improvements (not under this contract) scheduled early summer 2017.
- Ordinance No. 123873

**Project Scopes:**

- The north parcel: includes demolition and removal of a one-story commercial building (tavern) with assumed asbestos and lead contamination. Removal of four underground storage tanks. (USTs - sizes and depths noted in the report), removal of contaminated soil, (contractor to provide unit price per ton), asphalt removal, earthwork, import of backfill and topsoil and compost, tree protection, temporary dewatering, lawn installation. Cap existing sanitary line for future use. Preserve and protect the water meter, foundation walls, and site walls along the north and east ends of the properties. Perimeter chain-link fencing will be required until the lawn has established. Phase 1 and Phase 2 site assessment and hazardous materials survey have been completed and are attached in the index to the specifications. Demolition, debris removal and disposal of hazardous materials to be completed as required by applicable laws and ordinances.
- The south parcel: includes demolition and removal of a one-story commercial building with assumed asbestos and lead contamination. Asphalt removal, earthwork, import of backfill and topsoil and compost, tree protection, temporary dewatering, lawn installation. Preserve and protect the water meter. Perimeter chain-link fencing will be required until the lawn has established Phase 1 and Phase 2 site assessment and hazardous materials survey have been completed and are attached in the index to the specifications. Demolition, debris removal and disposal of hazardous materials to be completed as required by applicable laws and ordinances. Temporary grading for positive drainage to the northeast

**PW# 2016-132**

## Public Works Number Request

corner of the property will be required. Temporary dewatering may be needed. Temporary dewatering may be done for both properties through one discharge point, TBD.

- Primary Construction Scopes: Demolition, asbestos and lead abatement, UST tank removal, earthwork, site restoration.

**Target Bid Date:** Sept. 21, 2016

**Working Construction Estimate:**

- \$398,596.00
- Funding Source: 2008 Parks and Green Spaces Levy

**Attachments:**

Vicinity Map

**PW# 2016-132**

# Public Works Number Request

## Discovery Park Play Area Renovation

### Administering Department:

Seattle Parks and Recreation: Planning and Development Division

### Project Contact:

#### Project Manager:

Chris Mueller [chris.mueller@seattle.gov](mailto:chris.mueller@seattle.gov) 206-684-0998 (office); 206-305-6092 (cell)

#### Spec Writer:

Margarett Harrison [margarett@harrisondesignla.com](mailto:margarett@harrisondesignla.com) 206-602-6806 (office)

### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- **Project location:** Discovery Park
- **Description:** Replace playground surfacing & equipment. Install perimeter curbing and replace adjacent paving. Install new site furnishings
- **Time or project site constraints:** Substantial Completion by Q1 2017
- **Ordinance No.:** 124927

### Project Scopes:

- Demolition, Site Preparation, Play equipment installation, play surfacing, Paving, Site furnishings, Landscaping and Site Restoration.

**Target Bid Date:** Anticipated Bid Opening: December 7, 2016

### Working Construction Estimate:

- **\$ 275,000** (Aprox. contract amount w/ WSST) (Play equipment to be furnished by owner for installation by contractor)
- **Funding Source:** CRF-RII & GF

**Attachments:** DRAFT Project Cover Sheet

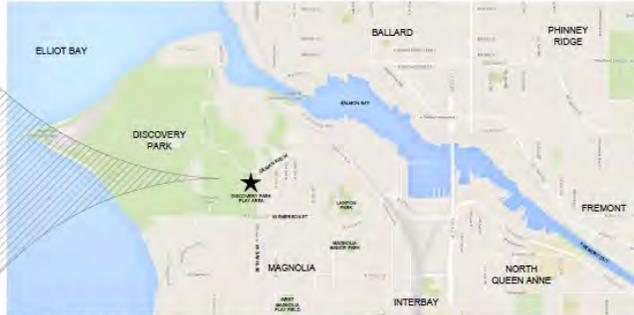
**PW# 2016-134**

# DISCOVERY PARK PLAYGROUND RENOVATION

WC246802 AGREEMENT NO. PR16-010  
 JUNE 29, 2016 - 95% CONSTRUCTION DOCUMENTS



SITE MAP  
 SCALE: 1"=50'-0"



CONTEXT MAP  
 SCALE: NTS

**PROJECT SUMMARY**

- SCOPE OF WORK:
- PREPARATION OF CONSTRUCTION ACCESS AND ESTABLISH C.C. MEASURES
  - DEMOLITION OF EXISTING ASPHALT PAVING, RUBBER SURFACING, CURBS, RAMPS, SELECTIVE PLAY EQUIPMENT AND FOOTINGS.
  - BARBECUE AND GRADING
  - INSTALL DRAINAGE SYSTEM AT PLAY AREA, CONNECT TO EXISTING STORM DRAIN.
  - INSTALL CONCRETE SIDEWALK, ASPHALT PAVING, RAMPS, CURB BALL LANDSCAPE BOLLARDS AND LOGS.
  - INSTALL PLAY EQUIPMENT PER MANUFACTURER'S RECOMMENDATION.
  - PATCH AND REPAIR EXISTING LAWN AND PLANTING AS NEEDED.

**DESCRIPTION**

PROJECT SITE:  
 DISCOVERY PARK PLAY AREA

ADDRESS:  
 380 DISCOVERY PARK BLVD  
 SEATTLE, WA 98199

OWNER:  
 CITY OF SEATTLE DEPARTMENT OF FINANCE AND ADMINISTRATIVE SERVICES

ADMINISTERING DEPARTMENT:  
 SEATTLE PARKS AND RECREATION  
 PLANNING AND DEVELOPMENT DIVISION  
 800 MAINLAND AVENUE SOUTH  
 SEATTLE, WA 98104

PROJECT MANAGER:  
 CHRIS MUELLER  
 CAPITAL PROJECT MANAGER  
 OES SERVICES

PREPARED BY:  
 HARRISON DESIGN LANDSCAPE ARCHITECTURE  
 410 OCCIDENTAL AVE S, SUITE 407  
 SEATTLE, WA 98104

**STANDARD ABBREVIATIONS**

SYMB	DEFINITION	SYMB	DEFINITION
CL	CENTERLINE	GLV	GALVANIZED
CONC	CONCRETE	HORZ	HORIZONTAL
CONT	CONTINUOUS	IN	INCH
DA	Diameter	MAX	MAXIMUM
EA	EACH	MIN	MINIMUM
ELEV	ELEVATION	TC	TOP OF CURB
EQ	EQUAL	BC	BOTTOM OF CURB
EXIST	EXISTING	TW	TOP OF WALL
EJ	EXPANSION JOINT	BW	BOTTOM OF WALL
FT	FEET		
FG	FINISHED GRADE		

**SHEET INDEX**

PAGE NO.	SHEET NO.	SHEET NAME
1	L101	COVER SHEET
2	L102	EXISTING CONDITION SURVEY
3	L103	CONSTRUCTION TRUCK PLAN
4	L201	LAYOUT & MATERIALS PLAN
5	L301	GRADING & DRAINAGE PLAN
6	L401	SECTIONS
7	L501	SITE DETAILS
8	L502	SITE DETAILS

APPROVED FOR ADVERTISING:  
 Nancy Locke  
 Publishing & Contracting Services Division  
 Seattle, Washington WA 98101  
 Date: 6/29/16

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DESIGNED BY:  
 Harrison Design  
 410 Occidental Ave S, Suite 407  
 Seattle, WA 98104  
 www.harrisondesign.com

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SEATTLE  
 DISCOVERY PARK  
 PLAY AREA RENOVATION

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COVER SHEET

---

L1.01

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DATE: 06/29/2016  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 SCALE: [Blank]

## Public Works Number Request

### Alki Community Center Roof Replacement

**Administering Department:**

SEATTLE PARKS & RECREATION: PLANNING & DEVELOPMENT

**Project Contact:**

KELLY GOOLD, 206.684.0586, Kelly.goold@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

**X Scope Bid Build (SBB)**

- Alki Community Center: 5817 SW Stevens, Seattle WA 98116 – 58<sup>th</sup> SW and SW Stevens St, adjacent to Alki Elementary School
- Remove existing roof assembly and replace per plan
- Staging and access on Park property only, no disturbance to Seattle Public Schools.
- Ordinance #; 124927

**Project Scopes:**

- Remove existing roof membrane assembly to existing decking, replace membrane roof with Modified Bitumen roof membrane system, clean existing roof drains, install new scuppers, remove and replace metal flashing with new sheet-metal flashings, install insulation as indicated.

**Target Bid Date:**

September 21, 2016

**Working Construction Estimate:**

- \$222,518.00
- Funding Source: Seattle Park District

**Attachments:**

Site map.

**PW# 2016-138**

## Public Works Number Request

### Hutchinson Community Center Roof Replacement

**Administering Department:**

SEATTLE PARKS & RECREATION: PLANNING & DEVELOPMENT

**Project Contact:**

KELLY GOOLD, 206.684.0586, Kelly.goold@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

**X Scope Bid Build (SBB)**

- Hutchinson Community Center: 5801 S. Pilgram Ste, Seattle WA 98118 – 59<sup>th</sup> Ave S, and S. Pilgram St, adjacent to Emerson Elementary School
- Remove existing roof assembly and replace per plan
- Staging and access on Park property only, no disturbance to Seattle Public Schools.
- Ordinance #; 124927

**Project Scope:**

- Selective removal of existing shingle of asphalt shingle roof to existing decking, selective demolition of flashing, gutter, and soffit. Installation of new asphalt composite shingles, flashing gutter and downspout, and soffit. Reroute existing conduit.

**Target Bid Date:**

September 21, 2016

**Working Construction Estimate:**

- \$124,732.00
- Funding Source: Seattle Park District

**Attachments:**

Site map.

**PW# 2016-139**



## SEATTLE CITY LIGHT

## CONSTRUCTION PROJECT OPPORTUNITIES

Location	Project Name	PM	Notes	Construction	Division
Seattle	Union / 10th Ave Vaults & Ducts	T. Pham	Underground duct and vaults - civil work & paving restoration. Electrical work by SCL crews.	Qtr 4 2016	Power Production
Seattle	S. 142nd St Conduit Repair	B. Joyce	New vaults and trenchless conduit repair. Electrical work by SCL crews.	Qtr 4 2016	Power Production
Seattle	Blueridge Phase 2 Conduit	B. Pande	Underground duct and vaults - civil work & paving restoration. Electrical work by SCL crews.	Qtr 1 2017	Power Production
Seattle	Captiol Hill Underground Facilities in Vicinity of Summit E and E Thomas	H. Rickels	Underground duct and vaults - civil work & paving restoration. Electrical work by SCL crews.	Qtr 1 2017	Power Production
Seattle	Arroyo Beach	B. Pande	Underground duct and vaults - civil work & paving restoration. Electrical work by SCL crews.	Qtr 1 2017	Power Production
Seattle	Occidental Network Vaults and Ducts	B. Hansen	Underground duct and vaults - civil work & paving restoration. Electrical work by SCL crews.	Qtr 1 2017	Power Production
Seattle	PSANI Broad St Sub Inductor	B. Pande	Installation of inductor/capacitor bank and GIS systems at Broad Sub Station	Qtr 3 2017	Power Production
Seattle	Wood Pole Replacement Program	W. Chin	Replace wood poles and transfer over power and 3rd party users	Qtr 1 2017	Power Production
Seattle	Brace Point LID Rebuild	B. Pande	Underground duct and vaults - civil work & paving restoration. Electrical work by SCL crews.	Qtr 2 2017	Power Production
Seattle	Electric Vehicle Public Fast Charging Pilot Program	B. ODonnell	Install 20 DC fast charging stations within the service territory	Qtr 3-4 2017	Customer Energy Solutions
Seattle	East Pine Substation Expansion Project	B. Pande	Relocation of perimeter wall to the property line, modification/addition of security gate structures	Qtr 2, 2018	Substation Eng

Location	Project Name	PM	Notes	Construction	Division
Skagit	Diablo Powerhouse AC Panel Replacement	Josh Jackson	Remove fifteen (15) existing panels, furnish and install nine (9) new panels and furnish and pull all related wire, working with one and three phase circuits up to 240VAC.	Qtr 4 2016	Power Production
Skagit	Ross Dam Install GPW Monitoring Stations	Kathie Jones	Install electrical conduits, wires, enclosures as needed to provide power to three existing GPS antennas. Fabricate and install a housing unit and solar panel for survey instrumentation	Q1 2017	Power Production
Skagit	Babcock Creek Crossing	Wanda Schulze	Install instream concrete and steel vented ford structure to provide vehicle crossing for Babcock Creek	Q3 2017	Power Production

Location	Project Name	PM	Notes	Construction	Division
Boundary	(Bndry Relicensing) Forebay Recreation Area Improvements	M. Aronowitz	Campground, boat launch, and shoreline improvements at Boundary Dam.	Qtr 3 2017	Environmental Affairs
Boundary	Boundary Entrance Roadway Realignment	L. Williams	Paving, fencing, and misc. improvements at Boundary Dam entrance.	Qtr 2-3 2017	Power Production
Boundary	Boundary Access Road Slope Stability	Jim Johnson	Rock slope stabilization with anchors and netting approaching Boundary dam	Qtr 2-3 2017	Power Production
Boundary	(Bndry Relicensing) Metaline Waterfront Park Improvements	M. Aronowitz	Park and boat launch improvements at Metaline (South of Boundary Dam)	Qtr 3 2018	Environmental Affairs
Boundary	Sullivan Creek Habitat Restoration Phase 1		This contract will include engineered log jam construction with 500-800 logs.	2018	Environmental Affairs
Boundary	Boundary Crane Rehabilitation	Eddie Plana	Rehabilitate two 250ton bridge cranes in the Boundary Powerhouse. Systems to be improved include cab controls, motor synchronization, wiring and bus work and safety/fall protection systems.	Q3 2017	Power Production
Boundary	Boundary Transformer Bay Sprayed Concrete Replacement	Nancy Chin	remove asbestos-containing sprayed concrete on the rock ceiling of large power transformer bay at the Boundary Powerhouse. Attach new drainage system to rock ceiling. Attach and ground reinforcing mesh and apply new sprayed concrete.	Q3 2017	

Location	Project Name	PM	Notes	Construction	Division
Cedar Falls	Cedar Falls Safety Guard Rails	Eddie Plana	Fabricate and install guard railings and parapet wall on historic Cedar Falls Masonry Dam	Q3 2017	Power Production

<b>Project Name:</b>	West Seattle Installation of Street Lights on Wooden Poles
<b>Division Name:</b>	Energy Delivery Engineering
<b>Location details:</b>	40 <sup>th</sup> Ave SW and 412st Ave SW between SW Genesee and SW Edmunds
<b>Anticipated contract advertisement date:</b>	Advertising 10/17/2016. Bid open 11/9/2016.
<b>Estimated budget:</b>	\$100,000 plus sale tax
<b>Description:</b>	Contractor will complete installation of new wood utility poles, install street lights and all associated elements. Contractor will complete all required electrical wiring.



<b>Project Name:</b>	(Boundary Relicensing) Forebay Recreation Area Improvements
<b>Division Name:</b>	Environmental Affairs and Real Estate
<b>Location details:</b>	Boundary Dam, located in north Pend Oreille County, approximately 11.5 miles north of Metaline, Washington
<b>Anticipated contract advertisement date:</b>	Q2 2017
<b>Estimated budget:</b>	\$2.4 M
<b>Description:</b>	The Forebay Recreation Area is a highly developed recreational site which serves as a campground, boat launch, and day use area. As a requirement of its license to operate the Boundary Hydroelectric Project, Seattle City Light is constructing improvements to the Forebay Recreation Area. Site improvements will include, among others: Increasing the number of designated recreational vehicle (RV) and/or tent campsites; providing adequate parking, signage, and vehicle circulation for the entire site; providing ADA-accessible parking, boarding float, picnic sites, campsites, and pathways that connect ADA-accessible facilities; replacing the current plumbed restroom with a new ADA-accessible restroom; constructing a new group picnic shelter; constructing a new on-site sewage system; landscaping and installing new irrigation piping; extending the existing concrete boat ramp lane; and implementing erosion control measures on the site's eastern shoreline.

**Project Name:** (Boundary Relicensing) Metaline Waterfront Park Improvements

**FOREBAY RECREATION AREA  
IMPROVEMENTS CONCEPT PLAN**  
BOUNDARY HYDROELECTRIC PROJECT  
FERC PROJECT NO. 2144  
OCTOBER 30, 2015



<b>Division Name:</b>	Environmental Affairs and Real Estate
<b>Location details:</b>	Metaline, Washington, on the western shoreline of Boundary Reservoir (Pend Oreille River)
<b>Anticipated contract advertisement date:</b>	Q2 2017
<b>Estimated budget:</b>	\$1.6 M
<b>Description:</b>	Metaline Waterfront Park provides local park opportunities for Metaline residents and water access to Boundary Reservoir. As a requirement of its license to operate the Boundary Hydroelectric Project, Seattle City Light is constructing improvements to the park, which will include, among others: replacing the existing boat launch and extending the boat ramp lane; providing adequate parking, vehicle circulation, and ADA access to boat launch and park facilities; constructing a new restroom, picnic shelter, and playground area.

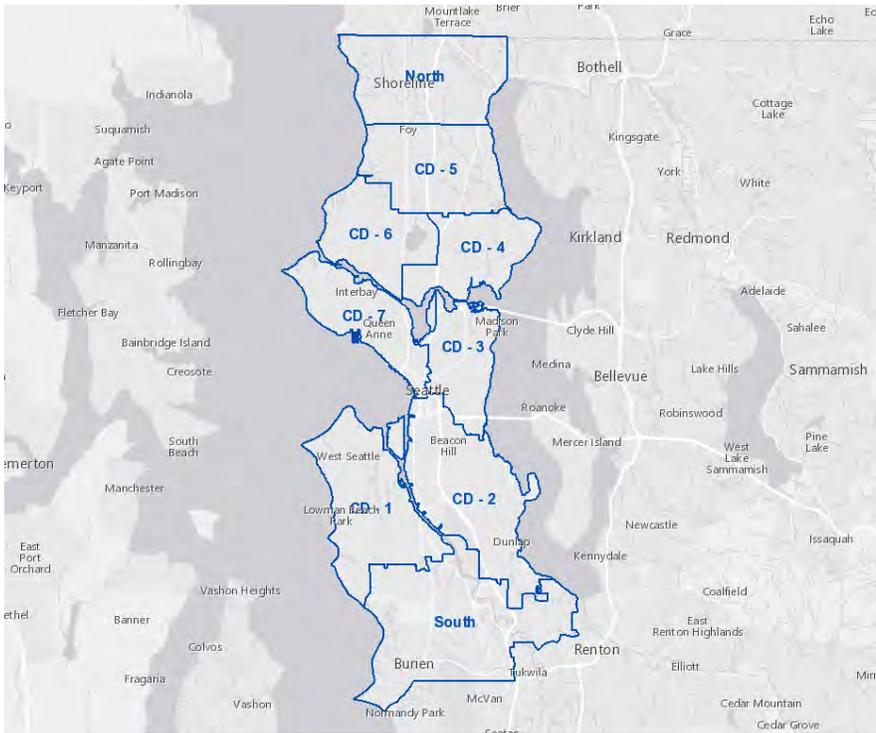
**METALINE WATERFRONT PARK**

BOUNDARY HYDROELECTRIC PROJECT  
FERC PROJECT NO. 2144

AUGUST 3, 2016



<b>Project Name:</b>	Electric Vehicle (EV) Public Fast Charging Pilot Program
<b>Division Name:</b>	Customer Energy Solutions
<b>Location details:</b>	Dispersed throughout SCL service territory
<b>Anticipated contract advertisement date:</b>	Q2 2017
<b>Estimated budget:</b>	\$1M
<b>Description:</b>	<p>Starting in 2017, City Light will begin installing 20 public DC fast charging stations, which will triple their current availability. These stations allow EVs to charge most of their battery pack in quick 20 to 30 minute sessions at off-street sites. By improving high quality public charging, we will allow further access to carbon-neutral electricity that customers are demanding, better utilize current utility assets and contribute to the aggressive goals of the citywide Drive Clean Seattle Initiative.</p> <p>City Light is in the process of locating station sites in the service territory. Our intent is to have good geographic distribution in dense areas of commercial and/or multifamily housing. We will locate at least one station in each Council District, as well as the North and South suburban areas as shown below.</p>



<b>Project Name:</b>	Sullivan Creek Habitat Restoration Phase 1
<b>Division Name:</b>	Environmental Affairs and Real Estate
<b>Location details:</b>	The project site is located 100 miles north of Spokane in the northeast corner of Washington near the city of Metaline Falls.
<b>Anticipated contract advertisement date:</b>	Phase 1 will be put out to bid in the first quarter of 2018.
<b>Estimated budget:</b>	\$750,000
<b>Description:</b>	<p>Seattle City Light owns and operates Boundary Dam on the Pend-Oreille River in Northeast Washington. In March 2013 FERC issued a 42-year license to City Light. The License Agreement requires City Light to implement numerous stream habitat improvement measures in Sullivan Creek, the largest tributary draining to Boundary Reservoir. Past logging practices and current impacts from Sullivan Creek Road have decreased wood recruitment to Sullivan Creek and in turn the quantity and quality of habitat available for native fish in the system. Habitat limiting factors include a lack of pools, side-channels, suitable spawning gravels and cover.</p> <p>City Light's primary objectives are as follows:</p> <ul style="list-style-type: none"> <li>• Place large woody debris where it will have the greatest benefit in addressing habitat limiting factors for recovery of native salmonids.</li> <li>• Implement project that work with watershed processes to restore instream habitat conditions and a functioning stream ecosystem.</li> </ul> <p><u>Project Description</u> Phase 1 of Sullivan Creek habitat restoration includes the placement of 600-800 pieces of large woody debris in Sullivan Creek. City Light envisions a habitat restoration implementation plan for Sullivan Creek that involves strategically applying three primary wood placement techniques: 1.) Tipping of trees in close proximity and placement with winch-driven cables; 2.) Helicopter wood placement of whole trees; and 3.) Traditional construction of engineered log jams using heavy equipment. Where appropriate, these three methods may be used in tandem or sequenced to achieve design objectives.</p> <p><u>Project Schedule</u> Phase 1 of Sullivan Creek habitat restoration will be implemented in 2018. An additional 1,200 to 1,400 pieces of wood will be placed in 2019 and 2020. The implementation plan for all wood placement will be completed in 2017. Phase 1 will be put out to bid in the first quarter of 2018. The cost estimate will be generated once the implementation plan is</p>

	completed.
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<b>Project Name:</b>	Diablo Powerhouse AC Panel Replacement
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Diablo Powerhouse Whatcom County
<b>Anticipated contract advertisement date:</b>	December 1 2016
<b>Estimated budget:</b>	\$600,000
<b>Description:</b>	Remove fifteen (15) existing panels, furnish and install nine (9) new panels and furnish and pull all related wire, working with one and three phase circuits up to 240VAC.  Project manager Josh Jackson 206-684-3828

<b>Project Name:</b>	Ross Dam install GPW monitoring stations
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Ross Powerhouse Whatcom County
<b>Anticipated contract advertisement date:</b>	Bid Date: December 2016 Construction Start April 2018
<b>Estimated budget:</b>	\$300,000
<b>Description:</b>	Install electrical conduits, wires, enclosures as needed to provide power to three existing GPS antennas. Fabricate and install a housing unit and solar panel for survey instrumentation.  Project Manager Kathie Jones – 206-684-3052

<b>Project Name:</b>	1 <sup>st</sup> To Occidental
<b>Division Name:</b>	EDE
<b>Location details:</b>	Occidental Av between Railroad Way S & S King St
<b>Anticipated contract advertisement date:</b>	11/1/2016
<b>Estimated budget:</b>	\$2,000,000
<b>Description:</b>	Installation of three (3) new Network electrical vaults plus the connecting duct banks between each (approximately 1000").  Project manager Bob Hansen 206-

<b>Project Name:</b>	Babcock Creek Crossing
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	1 mile South of town of Newhalem, Whatcom County
<b>Anticipated contract advertisement date:</b>	Bid Date: May 2017 Construction Start September 2017
<b>Estimated budget:</b>	\$400,000
<b>Description:</b>	Install instream concrete and steel vented ford structure to provide vehicle crossing for Babcock Creek  Project Manager Wanda Schulze 206-233-2192

<b>Project Name:</b>	Cedar Falls Safety Guard Rails
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Cedar Falls Dam, King county
<b>Anticipated contract advertisement date:</b>	Bid Date: March 2017 Construction Start August 2017
<b>Estimated budget:</b>	\$500,000
<b>Description:</b>	Fabricate and install guard railings and parapet wall on historic Cedar Falls Masonry Dam  Project Manager Eddie Plana 206-684-3520

<b>Project Name:</b>	Boundary Crane Rehabilitation
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Ross Powerhouse Whatcom County
<b>Anticipated contract advertisement date:</b>	Bid Date: February 2017 Construction Start August 2017
<b>Estimated budget:</b>	\$500,000
<b>Description:</b>	Rehabilitate two 250 ton bridge cranes in the Boundary Powerhouse. Systems to be improved include cab controls, motor synchronization, wiring and bus work and safety/fall protection systems.  Project Manager Eddie Plana 206-684-3520

<b>Project Name:</b>	Boundary entrance road realignment
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Boundary Hydroelectric Project - PendOreille County
<b>Anticipated contract advertisement date:</b>	Bid December 2017 Construction start April 2018
<b>Estimated budget:</b>	\$1.4M
<b>Description:</b>	<p>Realign approx. 1/4 mile of road way to provide separate entrance/exit lanes around the existing security station at the entry to the Boundary Hydro Project. Install automated security gates, roadway lighting, signage and a prefabricated restroom with a new water service.</p> <p>Project manager Lisa Williams 206-733-9268</p>

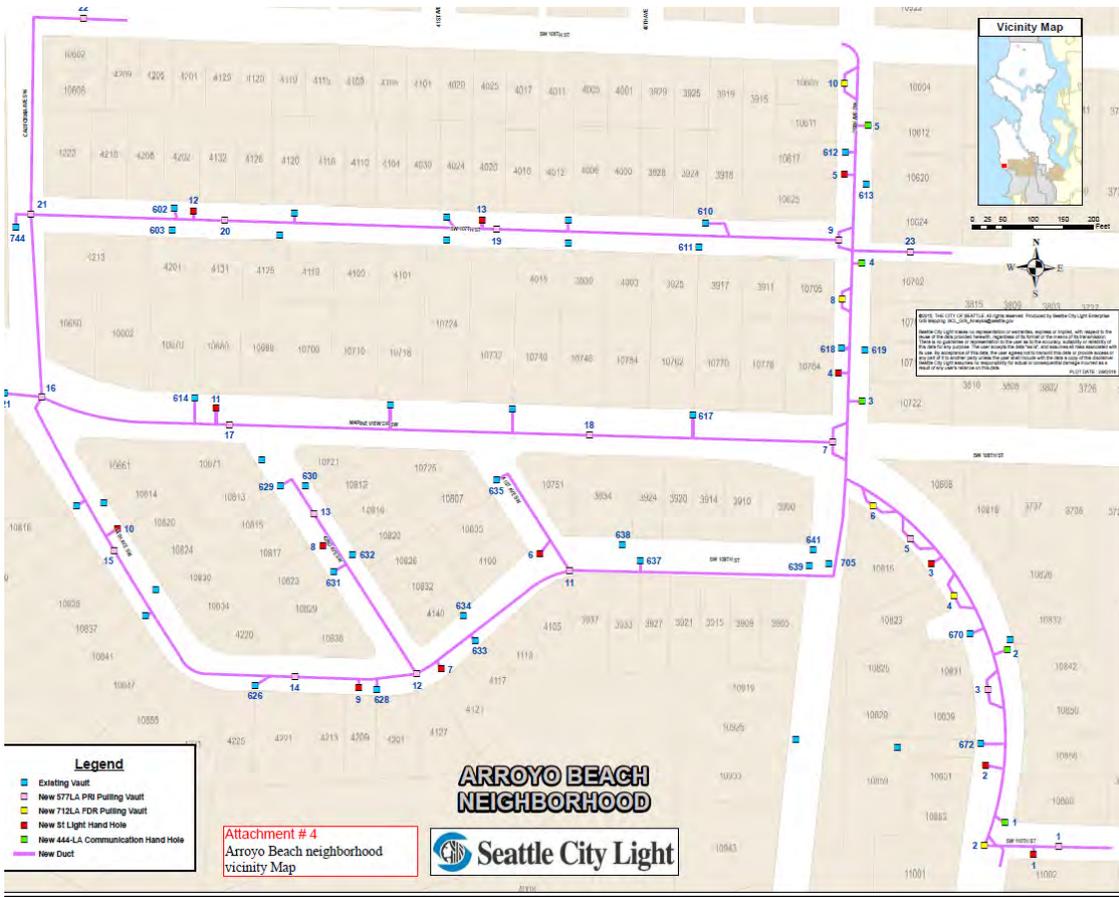
<b>Project Name:</b>	Boundary Transformer Bay Sprayed Concrete Replacement
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Boundary Hydroelectric Project - PendOreille County
<b>Anticipated contract advertisement date:</b>	Bid February 2017 Construction start August 2017
<b>Estimated budget:</b>	\$1.4M
<b>Description:</b>	Remove asbestos-containing sprayed concrete on the rock ceiling of large power transformer bay at the Boundary Powerhouse. Attach new drainage system to rock ceiling. Attach and ground reinforcing mesh and apply new sprayed concrete.  Project manager Nancy Chin 206-733-9402

<b>Project Name:</b>	Blue Ridge Phase 2 Conduit Replacement
<b>Division Name:</b>	<b>Asset Management &amp; Large Projects &amp; Energy Delivery Engineering</b>
<b>Location details:</b>	Vicinity of Marine View Dr. SW & 39th Ave SW. (See Map below)
<b>Anticipated contract advertisement date:</b>	Bid Q1 2017
<b>Estimated budget:</b>	\$4.5M
<b>Description:</b>	<p>The project consists of installing underground electrical conduit in the Vicinity of Marine View Dr. SW &amp; 39th Ave SW to replace 7,000± lineal feet of direct-buried primary electrical cable and restoration work.</p> <p>The existing buried cable is over 40 years old. City light injected direct buried cable to extend cable life, however approximately 30 to 50% of the cable cannot be injected and must be replaced.</p> <p>Underground, 4 - inch diameter PVC conduit will be installed by a contractor, using open trench method. The new conduit will generally run between existing vaults. A few vaults may be substandard and would be replaced. Later, cable will be pulled through the new conduit by City Light Crews.</p> <p>Project manager: Bikas Pande 206-684-0502</p>



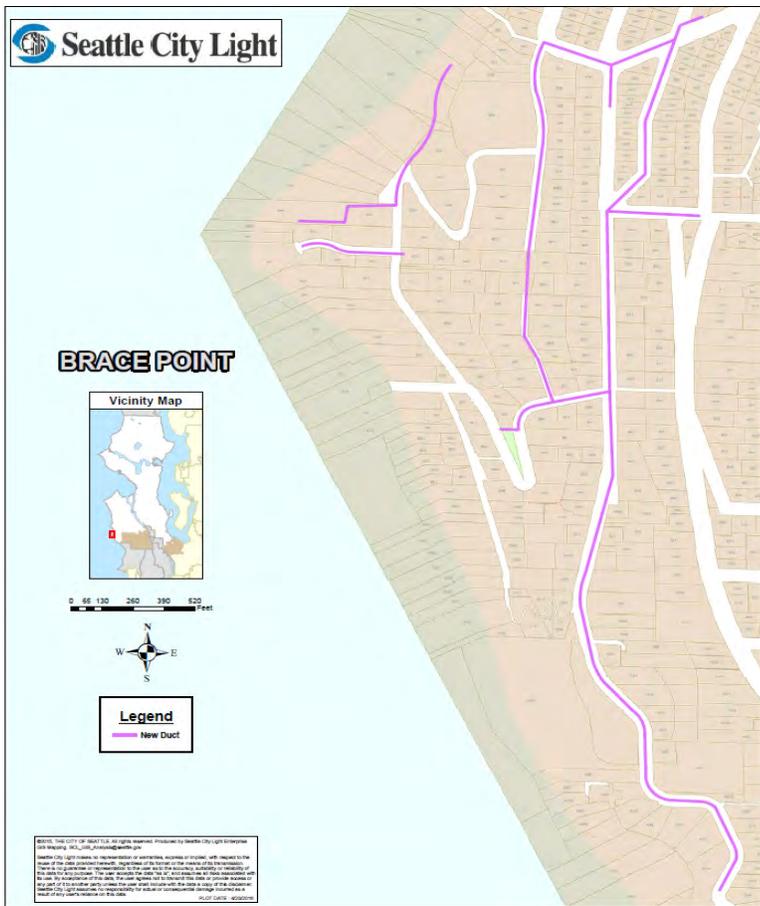


<b>Project Name:</b>	Arroyo Beach & 39 <sup>th</sup> Ave SW Conduit Replacement
<b>Division Name:</b>	<b>Asset Management &amp; Large Projects &amp; Energy Delivery Engineering</b>
<b>Location details:</b>	Vicinity of Marine View Dr. SW & 39th Ave SW. (See Map below)
<b>Anticipated contract advertisement date:</b>	Bid Q1 2017
<b>Estimated budget:</b>	\$4.0M
<b>Description:</b>	<p>The project consists of installing underground electrical conduit in the Vicinity of Marine View Dr. SW &amp; 39th Ave SW to replace 7,000± lineal feet of direct-buried primary electrical cable and restoration work.</p> <p>The existing buried cable is over 40 years old. City light injected direct buried cable to extend cable life, however approximately 30 to 50% of the cable cannot be injected and must be replaced.</p> <p>Underground, 4 - inch diameter PVC conduit will be installed by a contractor, using open trench method. The new conduit will generally run between existing vaults. A few vaults may be substandard and would be replaced. Later, cable will be pulled through the new conduit by City Light Crews.</p> <p>Project manager: Bikas Pande 206-684-0502</p>



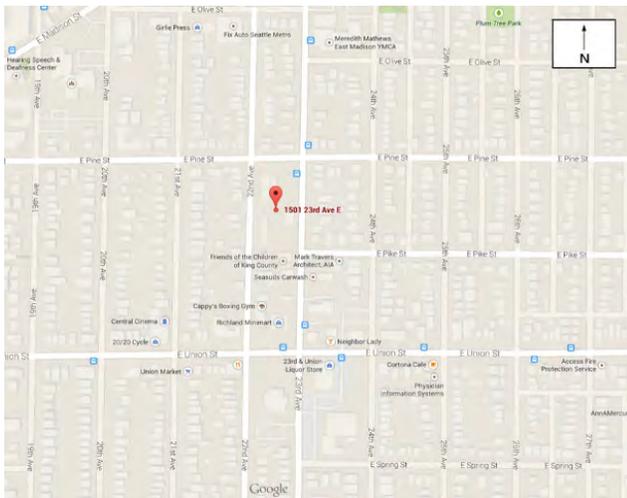
<b>Project Name:</b>	<b>Brace Point Conduit Replacement</b>
<b>Division Name:</b>	<b>Asset Management &amp; Large Projects &amp; Energy Delivery Engineering</b>
<b>Location details:</b>	<b>Brace Point neighborhood (See Map below)</b>
<b>Anticipated contract advertisement date:</b>	<b>Bid Q1 2017</b>
<b>Estimated budget:</b>	<b>\$5.0M</b>

<p><b>Description:</b></p>	<p>The project consists of installing underground electrical conduit in the Brace Point neighborhood to replace 13,000± lineal feet of direct-buried primary electrical cable and restoration work.</p> <p>The existing buried cable is over 40 years old. City light injected direct buried cable to extend cable life, however approximately 30 to 50% of the cable cannot be injected and must be replaced.</p> <p>Underground, 4 - inch diameter PVC conduit will be installed by a contractor, using open trench method. The new conduit will generally run between existing vaults. A few vaults may be substandard and would be replaced. Later, cable will be pulled through the new conduit by City Light Crews.</p> <p>Project manager: Bikas Pande 206-684-0502</p>
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<p><b>Project Name:</b></p>	<p>East Pine Substation Expansion Project</p>
<p><b>Division Name:</b></p>	<p>Asset Management &amp; Large Projects &amp; Energy Delivery Engineering</p>
<p><b>Location details:</b></p>	<p>1501 23rd Avenue East, Seattle, WA 98122. It is bordered by East Pine Street to the north, 23rd Avenue to the east, East Union Street to the south, and 22nd Avenue to the west.</p>
<p><b>Anticipated</b></p>	<p>Bid Q2 2018</p>

<b>contract advertisement date:</b>	
<b>Estimated budget:</b>	\$5.0M
<b>Description:</b>	Relocation of North and West perimeter walls to the property line and modification /addition of security gate structures along North /West perimeter wall  Project manager: Bikas Pande 206-684-0502

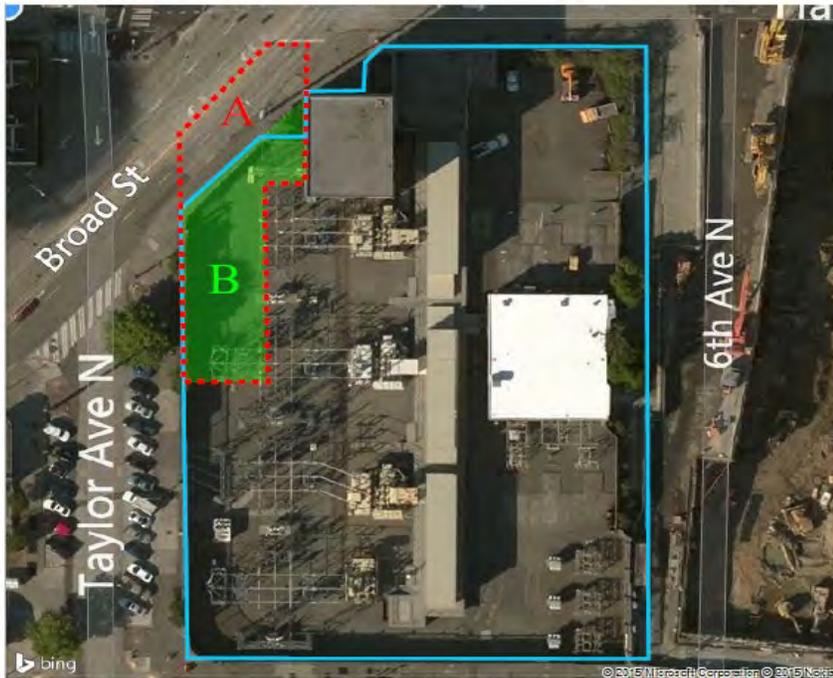


<b>Project Name:</b>	Broad Street Substation Inductor Project
<b>Division Name:</b>	Asset Management & Large Projects & Energy Delivery Engineering
<b>Location details:</b>	319 6th Avenue North in Seattle, near the Seattle Center (See Map below)
<b>Anticipated</b>	Bid Q3 2017

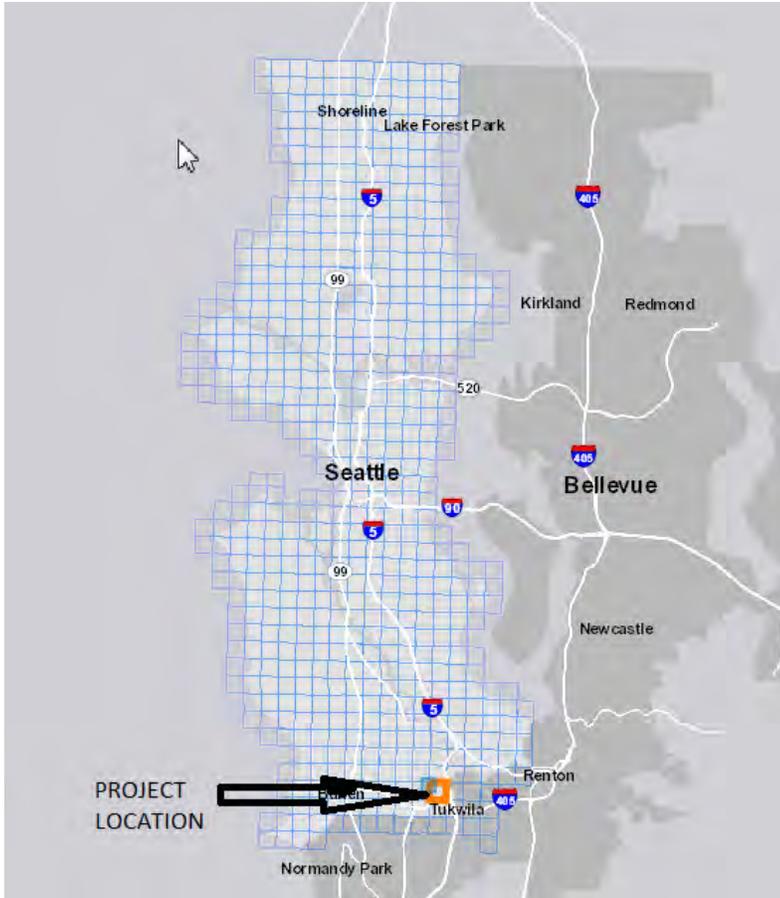
<b>contract advertisement date:</b>	
<b>Estimated budget:</b>	\$4.0M
<b>Description:</b>	<p>The installation of an 115kV Series Inductor and other necessary equipment on the existing Massachusetts–Union–Broad (MA–US–BR) 115kV Transmission Line in the vicinity of Broad Street Substation.</p> <p>The project consists of installing</p> <ul style="list-style-type: none"> <li>• 6 Ohm oil insulated series inductor on the existing MA–US– BR transmission line</li> <li>• 21.3 MVAR 115kV capacitor bank</li> <li>• 115 kV , 2000 A breaker, gas insulated switch gear (GIS) system</li> </ul> <p>Project manager: Bikas Pande 206–684–0502</p>

**KEY**

-  - Design A Boundary
-  - Design B Boundary
-  - Existing Substation Boundary



<b>Project Name:</b>	<b>S. 142<sup>nd</sup> St Conduit Repair &amp; Vault Installation</b>
<b>Division Name:</b>	<b>South Distribution Design</b>
<b>Location details:</b>	<b>On 42<sup>nd</sup> Ave S between S 146<sup>th</sup> St &amp; S 144<sup>th</sup> St. @ City of Tukwila</b>
<b>Anticipated contract advertisement date:</b>	<b>In the process of putting the package to bid. Construction start date is not specified.</b>
<b>Estimated budget:</b>	<b>\$400,000</b>
<b>Description:</b>	<p><b>Contractor will do the Civil work that includes:</b></p> <ul style="list-style-type: none"> <li>• -Saw cut, break pavement, locate existing primary duct bank.</li> <li>• -Install new 814-9 CLX type primary splicing vault on the side walk (ROW) or in an easement area.</li> <li>• -Contractor extends ductbanks into vault walls and complete vault installation.</li> </ul> <p><b>SCL Underground Electrical Crew will do:</b></p> <ul style="list-style-type: none"> <li>• -Disconnect and de-energize existing feeder and primary cables</li> <li>• -Pull out existing underground feeder &amp; primary cables</li> <li>• -Pull in new underground feeder &amp; primary cables</li> </ul>



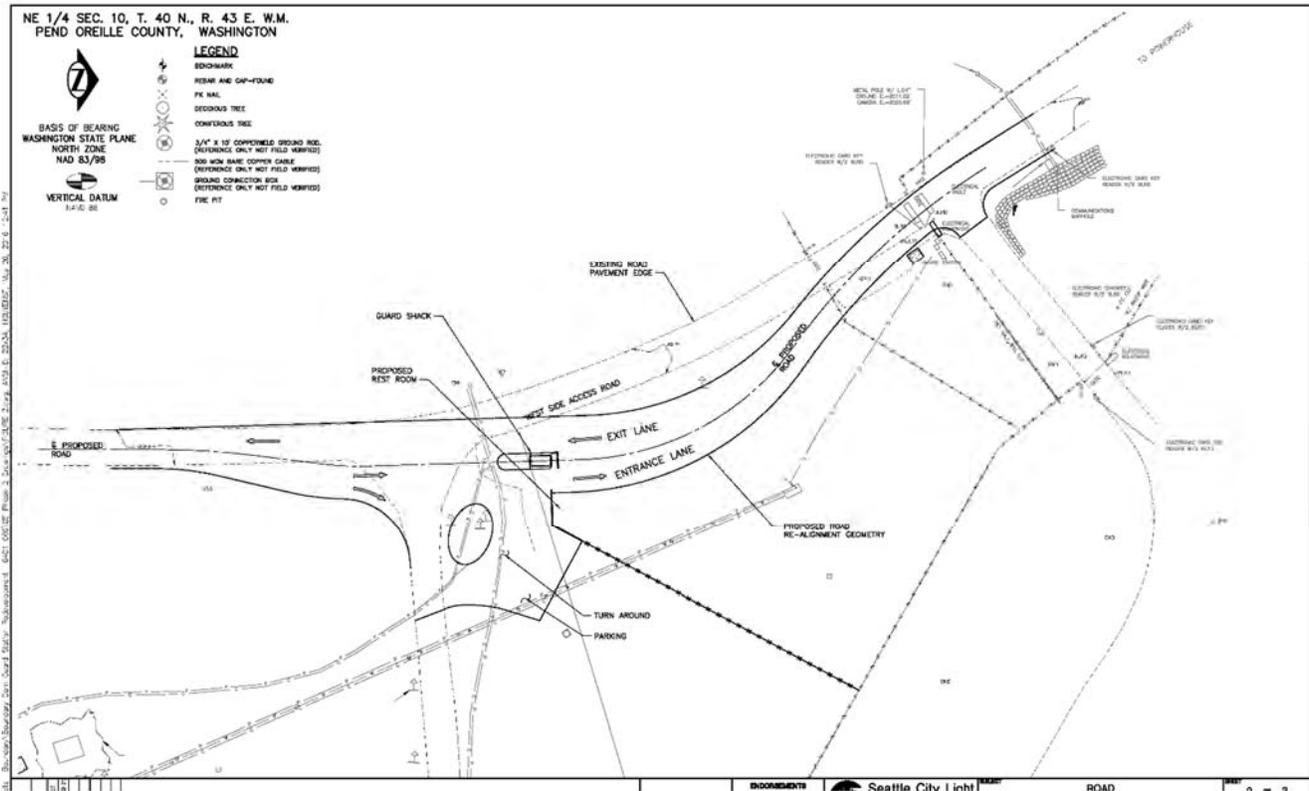
<b>Project Name:</b>	<b>Capitol Hill Underground Facilities in Vicinity of Summit E &amp; E Thomas</b>
<b>Division Name:</b>	<b>North Distribution Design</b>
<b>Location details:</b>	<p>Bellevue –Summit Alley between E Harrison St and E Thomas St;                  Summit Ave E, between E Harrison St and E Loretta Pl;                  Summit–Belmont Alley, between E Harrison St and E John St;                  Belmont Ave E, between E Harrison St and E Thomas St;                  E Harrison St, between Bellevue –Summit Alley and Belmont Ave E;                  E Thomas St, between Bellevue –Summit Alley and Belmont Ave E;                  E John St, between approximately 100 feet west of Summit Ave E and Belmont Ave E</p>
<b>Anticipated contract advertisement date:</b>	2018
<b>Estimated</b>	Unknown at this time

<p><b>budget:</b></p>	
<p><b>Description:</b></p>	<p>Contractor will do the Civil work that includes:</p> <ul style="list-style-type: none"> <li>• Saw cut, break pavement, locate existing duct bank and extend.</li> <li>• Install new 814 and 712 vaults, 444 and smaller handholes in the right-of-way, while protecting trees, maintaining clearance from other utilities and moving some utilities, as required.</li> <li>• Install new duct bank</li> </ul>



<b>Project Name:</b>	Boundary Entrance Roadway Realignment
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Boundary Hydroelectric Project – Pend Oreille County
<b>Anticipated contract advertisement date:</b>	Bid December 2017 Construction start April 2018
<b>Estimated budget:</b>	\$1.4M
<b>Description:</b>	<p>Realign approx. 1/4 mile of road way to provide separate entrance/exit lanes around the existing security station at the entry to the Boundary Hydro Project. Install automated security gates, roadway lighting, signage and a prefabricated restroom with a new water service.</p> <p>Project manager Lisa Williams 206-733-9268</p>

Proposed entrance roadway realignment.



<b>Project Name:</b>	Stetattle Creek Dredging
<b>Division Name:</b>	<b>Generation Operations and Engineering Business Unit</b>
<b>Location details:</b>	Skagit Hydroelectric Project – Whatcom County
<b>Anticipated contract advertisement date:</b>	Bid Fall 2017 Construction start Spring 2018
<b>Estimated budget:</b>	\$1.2M
<b>Description:</b>	Remove approx. 18,000 cubic yards of cobbles, boulders, and rock from the convergence of the Stetattle Creek and Skagit River, south of the Diablo Powerhouse. Project involves working in the river.  Project manager Lisa Williams 206-733-9268

Existing Stetattle cobble bar.



## Public Works Number Request

### Vault and Duct Installation along Occidental Ave S

**Administering Department:**

Seattle City Light

**Project Contact:**

PM: Bob Hansen, SCL, 684-3387, bob.hansen@seattle.gov

Spec Writer: Ryan Brady, SPU, 6844-3617

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

- Design Bid Build (DBB)
- Design Build (DB)
- GC/CM
- Energy Savings (ESCO)
- Emergency
- US Communities
- King County Director's Association (KCDA)
- Engineered Systems

- Project location: Along Occidental Ave S between S King Street and Railroad Way S.
- General Description: Installation of 3 electrical vaults and an electrical ductbank connecting them
- Owner specific goals, time or project site constraints: Start Construction Feb 2016 to avoid Seahawks game traffic.
- Ordinance No.: 124648

**Project Scopes:**

- Installation of 3 electrical vaults, electrical ductbank, and associated pavement restoration.

**Target Bid Date:**

- Current estimated bid date: September 30, 2015

**Working Construction Estimate:**

- \$1,500,000
- Funding Source: Seattle City Light-CIP

**Attachments:** Project Location Map

**PW# 2015-073**

# Public Works Number Request

## Boundary Spillway Drainage Collection

**Administering Department:**

Seattle City Light, Power Production Division

**Project Contact:**

Josh Jackson, 206-684-3828, [Joshua.jackson@seattle.gov](mailto:Joshua.jackson@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

- Design Bid Build (DBB)
- JOC Work Order
- Design Build (DB)
- GC/CM
- Energy Savings (ESCO)
- Emergency
- US Communities
- King County Director's Association (KCDA)
- Engineered Systems

- Boundary Dam, Metaline Falls, WA
- Install PVC pipe to collect and combine 3 drains beneath the right spillway so that the flow of water can be monitored.
- Work area under the spillway presents an extreme fall hazard. A fall restraint system must be installed as part of the contract.
- Ordinance No. 124648

**Project Scopes:**

- Installation of pipe, flanges, and hangers

**Target Bid Date:** September 30, 2015

**Working Construction Estimate:**

- \$50,000 - \$100,000. Fall restraint cost is uncertain.
- SCL Capital Improvement Program

**Attachments:** Plan cover sheet

**PW# 2015-081**

## Public Works Number Request

### Blue Ridge Conduit Installation Phase II

#### Administering Department:

Seattle City Light - Energy Delivery Engineering  
Seattle City Light - Large Project Management  
Seattle Public Utilities, Project Delivery and Engineering Branch  
Seattle Department of Transportation, Street Use Operation

#### Project Contact:

Bikas Pande, Phone #: 206-684-0502, email: [bikas.pande@seattle.gov](mailto:bikas.pande@seattle.gov)

Spec Writer- Mark Fredrickson, SPU

#### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location : Blue Ridge Neighbor Hood, North Seattle (See Location Map)
- General Description: Project Consists of installing underground electrical system including civil structures and electrical equipment in the Blue Ridge area using open trench method
- Owner specific goals: Maintain a reliable underground electrical infrastructure
- Ordinance No. 124349

#### Project Scopes:

The project consists of installing underground electrical conduit in the Blue Ridge neighborhood to replace 8,500± lineal feet of direct-buried primary electrical cable. The buried cable is over 40 years old. City Light is currently injecting direct-buried cable to extend cable life; however, approximately 30 to 50% of the cable cannot be injected and must be replaced. Underground, 4 - inch diameter PVC conduit will be installed by a contractor, using open trench or trenchless methods. The new conduit will generally run between existing vaults. A few vaults may be substandard and would be replaced. Later, cable will be pulled through the new conduit by City Light Crews. Construction work includes pavement removal, approximately 8,500 linear feet of duct bank excavation, installation of electrical vaults, installation of concrete encased 4 inch PVC conduit duct banks, backfilling, pavement and landscaping restoration

Target Bid Date: June, 2016

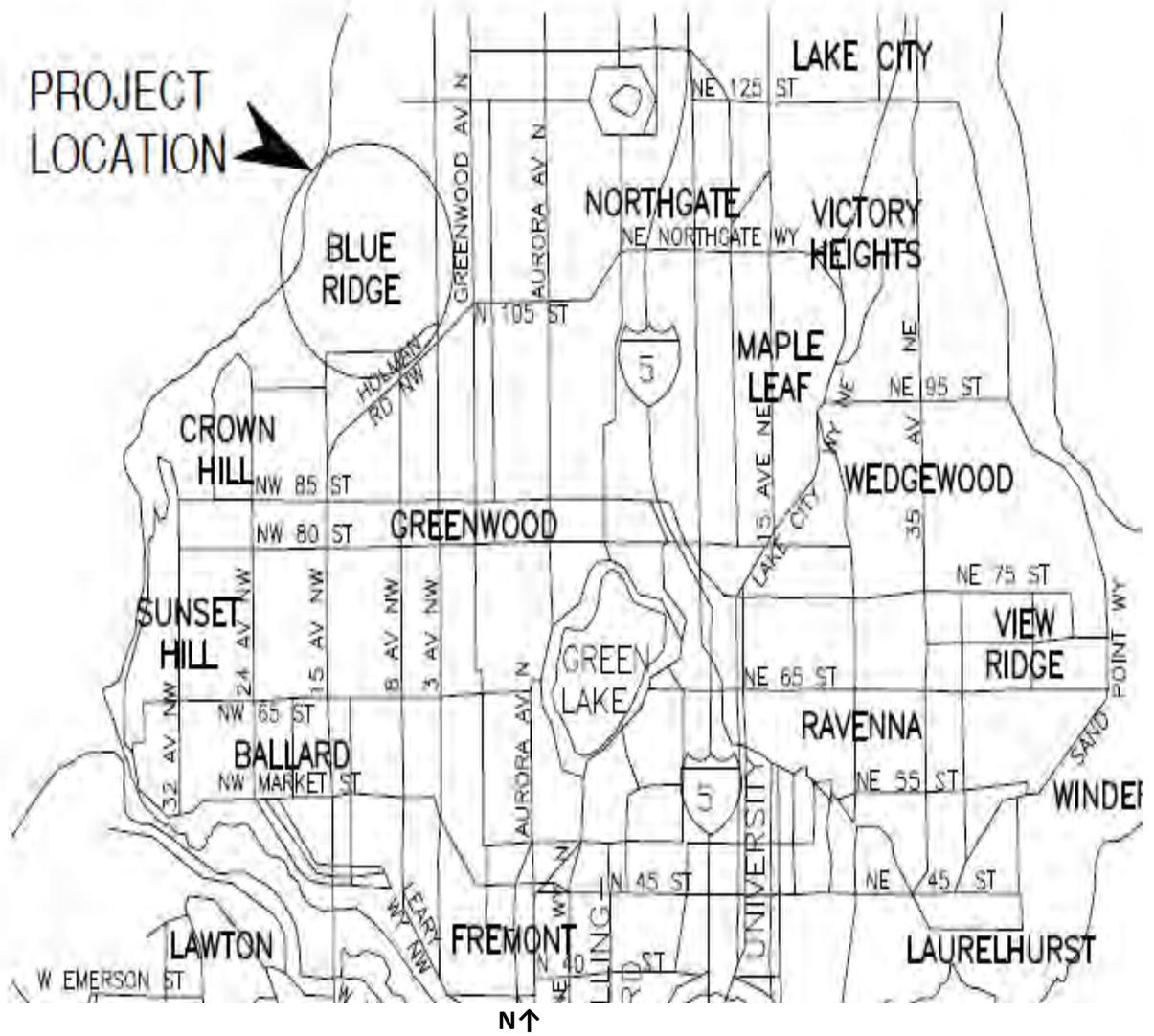
#### Working Construction Estimate:

- \$2.5 M
- Funding Source: City Light

**PW# 2015-108**

# Public Works Number Request

Location Map :



# Public Works Number Request

## Energy Management Systems (EMS) Replacement Project

### Administering Department:

Seattle City Light: Utility Support Services Division

### Project Contact:

Ruth Meraz-Caron, (206) 684-3094, [ruth.meraz@seattle.gov](mailto:ruth.meraz@seattle.gov)

### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Small Projects - Design Bid Build (DBB)

- Project is located at multiple sites:

Site No.	Work No.	Address	Building
01	1508371	614 NW 46 <sup>th</sup> Street, Seattle, WA 98107	SOC
02	1508371	1300 N 97 <sup>th</sup> Street, Seattle, WA 98103	NSC

- EMS Replacement at System Operation Center (SOC) and North Service Center (NSC)
- The Owner would like the SOC work to be complete by mid-January 2016 to meet the delivery of the cabinets on-site. NSC work to follow shortly thereafter to meet the cabinet delivery.
- Ordinance No. 124648

### Project Scopes:

- The scope of this work includes the upgrade to the existing EMS servers at the System Operation Center (SOC) and the North Service Center (NSC). The existing EMS system will be moved to one half of the room to make room for new cabinets. The new cabinets will require load and seismic support structures, new power wiring from the PDU's, and new network cabling.

**Target Bid Date:** December 11, 2015

### Working Construction Estimate:

- \$100,000 for both project sites
- Funding Source: City Light Capital Project Funds

### Attachments:

- Project drawing plans for SOC
- Project drawing plans for NSC (will have by the end of this week)

**PW# 2016-003**

## Public Works Number Request

### Installation of Paint Booth

**Administering Department:**

Seattle City Light: Facilities

**Project Contact:**

Molly Rathe/ 206-684-3351/ molly.rathe@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Small Projects -- Design Bid Build (DBB)

- Seattle City Light- South Service Center/ 3613 4<sup>th</sup> Ave S Seattle, WA/ Building A
- Install of new paint booth in building A
- Contractor to install paint booth
- Ordinance No.: 124648

**Project Scopes: See attachment**

**Target Bid Date:** March 14, 2016

**Working Construction Estimate:**

- \$120,00.00
- Funding Source: Seattle City Light

**PW# 2016-005**

## **PAINT SPRAY BOOTH**

The paint booth shall be pressurized cross draft with the working dimensions of 14' wide x 14' high x 26' deep. Construction shall be 18 gauge galvanized steel sheets rigidly re-enforced with structural steel. Air be pushed in through a pressurized input plenum at an average velocity of approximately 100 -125 fpm. Ventilation equipment must be able to keep the atmosphere of fumes from the spraying operations 25% below the "lower explosion limit".

## **EACH BOOTH TO INCLUDE THE FOLLOWING:**

### **EXHAUST SYSTEM**

40" tube axial in-line exhaust fan of 19,600 cfm @ 3/8" S.P. The fan must be a non-ferrous blade in a steel housing and the motor must be an induction type, sealed, UL listed and connected with explosion proof wiring. 10 H.P. tri-voltage 208/230/460 volts, 3 phases, 60 HZ motor with variable pitch drive sheave.

The exhaust duct shall be sufficient length to exit through the building roof and extend to at least 6' above roof. The contractor shall be responsible for cutting through the roof and ensure a good watertight seal around the duct.

### **LIGHTING**

Lights shall be Class 1, Division 2, florescent light fixtures supply illumination at approximately 100 ft. candles measured at 3' above floor level. Dual voltage of 120/277 with 48" 4-tube, 265 mA, 32 watt T8 ballast. Lights shall have inside access for ease of tube removal and replacement.

### **PRODUCT ENTRY DOOR**

One set of solid swing, 2 panel door of 6' wide x 14' high and airtight seal with durable P-Seal rubber gasket with 8' wide x 12" high conveyor slot.

### **PRODUCT EXIT DOOR**

One set of solid swing, 2 panel door of 5' wide x 8' high. An airtight seal is created with a durable P-Seal rubber gasket.

### **EXHUAUST CHAMBER**

One each of bridge internal exhaust filter chamber with 20" x 20" x 2" filter cells.

One set 20" x 20" x 2" polyester exhaust filters and one set of wire grids and tips.

### **INTAKE CHAMBER**

One each of bridge internal intake chamber with 20" x 20" x 2" filter cells.

One set 20" x 20" x 1" tackified intake filters with internal wire grids.

### **CONTROL PANEL**

One each pre-wired independent electrical control panel (480 V, 3 ph, 3 wires) featuring inle point connection for quick and easy wiring with NEMA-12 rated enclosure. Includes:

- Main breaker disconnect
- Magnetic motor starter
- Motor fuse protection
- Lighting fuse protection
- Terminal strips for field wiring
- System Operating lights
- Air make-up temp select
- UL industrial listing

### **AIR BALANCING SYSTEM**

One each to automatically keep the paint booth balanced when in operation. The variable frequency drive controls the exhaust fan motor, differential pressure gauge and sensing probes. The system monitors the interior booth pressure and will adjust the exhaust fan RPM's to what is needed for the volume of exhaust air based on what the incoming intake air is.

### **AIR REPLACEMENT SYSTEM**

One each 19,600 cfm direct fired gas heated outdoor roof mounted air make-up unit complete with the following:

- 100% replacement air
- 19,600 SCFM/0.38 duct SP/0.83 total ESP/BHP: 16.98
- Electric current:440-480/60/3 3-wire
- 20 HP Motor – ODP – High efficiency EPACT
- 1,482 BTUH (in 1,000's)/70 deg. F rise
- Gas pressure: 29" to 5 # natural gas
- Gas manifold: ANSI with tow solenoid gas valves
- External discharge damper with 2 Pos motor and interlock
- 2" cleanable filter
- G-90 galvanized casing
- Fresh air intake with bird screen
- Burner on/off intake air duct stat
- Remote control panel with operating lights
- Clogged filter switch with light
- 0-5 psi supply inlet and -5 to + 15" WC burner outlet pressure gauges

- GFI convenience outlet
- N.O. contact

#### **OPERATIONAL & SAFETY EQUIPMENT**

- One each 3-way solenoid valve to prevent spray in booth when fans are off or light tube access door is opened
- Limit switches (proximity switch) to shut down painting when booth doors are opened
- One each Dwyer mark II manometer to monitor paint overspray buildup on exhaust filters

#### **ELECTRICAL**

Electrical wiring and utilization equipment shall meet all of the applicable requirements of Applications, NFPA 70 National Electric Code, and NFPA 33 Spray Application Using Flammable and Combustible Materials, Chapter 4 unless the exceptions are met.

The electrical service must be in UL listed explosion proof switches and junction boxes. Lighting must be explosion proof and separated by wired glass with a vapor tight seal. Motor for exhaust must be UL listed for Class 1, Division 1 locations and wired with explosion proof wiring. Grounding all metal elements of the booth, ducts and equipment must be grounded.

#### **FIRE PROTECTION**

Spray booth shall be protected by an automatic fire suppression system, subject to the authority having jurisdiction.

One or more manual emergency system shutdown stations shall be installed. The stations shall accomplish the functions listed under NFPA 33 9.2.1.

## Public Works Number Request

### Babcock Creek Vented Ford Project

**Administering Department:**

Seattle City Light

**Project Contact:**

Nancy Chin, (206) 733-9402, [nancy.chin@seattle.gov](mailto:nancy.chin@seattle.gov)

Erich Fiedler, (206) 684-3648, [erich.fiedler@seattle.gov](mailto:erich.fiedler@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: MP 118.5 off Highway 20, Whatcom County, WA
  - Lat 48° 40' 17" N, Long 121° 17' 15" W
- General Description: This Project consists of removal and storage of existing temporary panel bridge, temporary diversion of ephemeral creek during construction, new precast and cast-in-place concrete vented ford structure, apron slabs, road regrading, and miscellaneous excavation and fill to accommodate new vented ford.
- Owner specific goals: Fix failed culvert and replace temporary bridge.
- Ordinance No.: 124648

**Project Scopes:**

- This Project consists of removal and storage of existing temporary panel bridge, temporary diversion of ephemeral creek during construction, new precast and cast-in-place concrete vented ford structure, apron slabs, road regrading, and miscellaneous excavation and fill to accommodate new vented ford.

**Target Bid Date:** March 2016

**Working Construction Estimate:**

- \$660,000
- Funding Source: SCL

**Attachments:** Drawings

**PW# 2016-010**

## Public Works Number Request

### Georgetown Steam Plant Electrical Heater Connection Work

**Administering Department:**

Seattle City Light: USSD

**Project Contact:**

Rod Fredrickson, Project Manager. 206-684-0658, Rod.Fredrickson@Seattle.Gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB) – Small Projects

- Project location: Georgetown Steam Plant (GTSP)
- Project Description: Electrical Heater Hook Up Work
- Design/Engineer additional switchgear to accommodate the previously installed heaters
- Ordinance No.: 124927 (USDD Capital CIP Building Maintenance/Repairs/Replacements)

**Project Scope:**

1. Design/engineer additional switchgear to accommodate the new electric heating installation.
2. Load Study and DPD plan review.
3. Install new breakers and subpanels as needed.
4. Install all conduit and wire from the new panels to the individual heaters.
5. Work will include (16) electric unit heaters and (4) infrared heaters as described in the Seattle City Light. Memorandum dated January 30, 2015 and attached information.
6. Electrical connections only to heaters supplied and installed by others.
7. Installation and connection of t-stat and disconnect accessories (supplied by others) included.
8. Does not include connection of contactor panel/controls for Infrared heaters
9. Includes all electrical permits and fees.

**Target Bid Date:** 10/26/15

**Working Construction Estimate:**

- \$56,325.00 + WSST
- Funding Source: Seattle City Light CIP budget

**PW# 2016-022**

## Public Works Number Request

### SCL Technical Metering Operations Building Remodel

**Administering Department:**

Seattle City Light (SCL): Facilities (Utility Support Services Division)

**Project Contact:**

Tobi Maggi          206-445-2305          Tobi.Maggi@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB) – Small Projects

- The project site is Room 135 of the Technical Metering Operations Building located at 1126 N. 98<sup>th</sup> Street, Seattle, WA 98133.
- The work consists of building out Room 135 to support a technical systems laboratory for SCL's advanced metering and smart grid programs. It will include adding additional security to the room's access doors, adding racking systems for components and switches, cable trays and structural support for cables, racks and infrastructure to support lab work. Additional transformers, electrical panels and power support will be included as will employee work stations.
- SCL Facilities would like to be able to complete the laboratory build-out for our teams as soon as possible so that work to test new systems can begin promptly in order to facilitate integration of these modern systems throughout the Utility. Room 135 was not fully built-out during original construction of the TMO intentionally in order to finish the work once the specific needs of the laboratory were developed. The AMI and Smart Grids are now ready to provide those specific details.
- Ordinance No. 124927

**Project Scopes:**

- The scope will include structural carpentry to install trusses to support cable trays and general carpentry to install racks and other components. Electrical work will also be part of the project to support lab equipment power needs.

**Target Bid Date:** March 23, 2016

**Working Construction Estimate:**

- \$250,000.00
- Funding Source: SCL 9220

**Attachments:** See draft plan set

**PW# 2016-046**

## Public Works Number Request

### E Union St, 10th to 11th Ave - 26KV Underground Conversion Project

**Administering Department:**

Seattle City Light: Distribution

**Project Contact:**

Thu Pham (615-0653) Thu.Pham@seattle.gov

Mark Fredrickson (684-7615)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

**PROJECT LOCATION:** This Project is located in the Capitol Hill neighborhood in Seattle and is located on E Union St between 10<sup>th</sup> Ave and 12<sup>th</sup> Ave.

**PROJECT DESCRIPTION:** This Project consists of the following elements of Work: pavement removal, approximately 900 linear feet of duct bank excavation, installation of electrical vaults, installation of concrete encased 4 inch PVC and 5 inch fiberglass conduit duct banks, backfilling and pavement and restoration.

**Ordinance No. 124927**

**Project Scopes:**

- Electrical duct bank and vault construction with associated pavement removal and restoration.

**Target Bid Date:** mid May 2016

**Working Construction Estimate:**

- \$1,025,000 plus sales tax
- Funded by SCL

**PW# 2016-048**

## Public Works Number Request

### ROSS DAM GPS MONITORING SYSTEM

**Administering Department:**

SEATTLE CITY LIGHT: Power Production Division, Skagit Facility

**Project Contact:**

Kathie Jones (206) 684-3052 kathie.jones@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB) – Small Projects

- Project location: Newhalem, WA, 500 Newhalem St. Rockport, WA 99152. Location is at Ross Dam.

**Purpose Statement:**

Seattle City Light to install a small survey equipment structure between Ross Dam and the Ross Dam Powerhouse. One structure would be approximately 4' wide x 4' long and approximately 9 feet tall and would house a Trimble Total Station. A solar array with battery, would be about the size of a refrigerator and located approximately 12 feet southeast from the Total Station. We understand this action would improve Ross Dam deflection monitoring that is desired by both Seattle City Light and the Federal Energy Regulatory Commission and that all development would occur on bedrock or existing concrete slabs.

**Scope of Work:**

- Complete package by April 15, award by June
- Ordinance No. 124927

Task 1: Labor estimated 2-person job for 20 days

Task 2: Conduit and enclosure install.

- Furnish and install strut supports and anchors for enclosure; panel box provided by Owner on the face of the dam wall.
- Furnish and install raceways as needed. All other areas do not require the cabling in conduit. Duplex GFI in enclosure.
- Conduit for AC. Connect AC to designated panels for power to work the GPS system.
- Seattle Public Utilities GPS team will complete the install of the GPS gear in the enclosure once AC is established.

Task 3: Exterior coax runs.

- Furnish and install anchors and cable supports for the coax to be routed along the water side of the dam
- Drill into the concrete for the anchors listed above
- SPU GPS team providing 5/8" coax for site G (240' run), and 1/2" coax (2 runs about 40' each).
- Coax mounting accessible from the access stairs to control rooms, the run will require someone in a basket or harness
- Basket or harness for person setting struts and bolts.

**PW# 2016-069**

## Public Works Number Request

**Contractor:**

- Provide tools, qualified staff, and equipment necessary to perform the work listed above.
- Perform the work during normal business hours

**Target Bid Date:** May 26, 2016

**Working Construction Estimate:**

- \$90,000
- Funding Source: City Light CIP Funds

**Attachments:**



## Public Works Number Request

### Pend Oreille River Gravel Augmentation

**Administering Department:**

Seattle City Light (SCL)

**Project Contact:**

Lloyd Dixon      206-386-9854      [lloyd.dixon@seattle.gov](mailto:lloyd.dixon@seattle.gov)      Lloyd Dixon- Spec Writer

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Scope-Bid-Build (SBB)

- Project is located downstream of the Box Canyon Dam boat ramp, See attached.
- Project description: Placement of 1,200 cy of washed cobble material on the bed of the Pend Oreille River to enhance Mountain whitefish spawning and egg survival habitat.
- The project will be completed during the 2016 in water work window and will be complete by September 15, 2016.
- Ordinance No.: 123940

**Project Scopes:**

- The project consists of procurement and placement of 1,200 cy of washed cobble onto the bed of the Pend Oreille River. Project components will include hauling, stockpiling, rock delivery to the gravel bed area, underwater rock placement and grading.

**Target Bid Date:** June 14, 2016

**Working Construction Estimate:**

- \$425,000
- Funding source: SCL CIP-6987

**Attachments:**

**PW# 2016-093**

# Public Works Number Request



PW# 2016-093

## Public Works Number Request

### Diablo Powerhouse AC Panel Upgrade

**Administering Department:**

Seattle City Light, Power Production Division

**Project Contact:**

Josh Jackson      206-684-3828      joshua.jackson@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Scope Bid Build (SBB)

- Project location: Diablo Powerhouse, Skagit Hydroelectric Project, Newhalem, WA
- Project description: Upgrade AC station service electric panels
- Work must be completed by January 2017. Target to advertise is June 20, 2016
- Ordinance No. 124927

**Project Scopes:**

- Electrical panel replacement, cable pulling, conduit installation

**Target Bid Date:** June 20, 2016

**Working Construction Estimate:**

- \$660,000
- Funding source: City Light Power Production CIP

**Attachments:** Project narrative/description

**PW# 2016-094**

APRIL 22, 2016

## Project Narrative – Diablo Powerhouse AC Panel Upgrade

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### BACKGROUND

The Diablo AC Panel Upgrade Project was originally started in 1994. Over the past twenty years parts of the project have been completed as side projects to major powerhouse work. In 2014 an effort was made to record what work had been completed and issue an as-built drawing set. Starting with the updated drawings, a new construction package is being released to finish the work. More than half of the intended changes have been made, but due to the scope of the work and the available resources at the powerhouse, the final project cannot be completed in-house in a reasonable amount of time. Seattle City Light seeks assistance from an outside contractor to complete the removal of fifteen (15) existing panels, the installation of nine (9) new panels, and all related wire pulls, working with one and three phase circuits up to 480VAC.

### REMOVAL OF EXISTING EQUIPMENT

Contractor responsibilities include:

- Demolition of fifteen (15) temporary panels as indicated on construction drawings.
  - 3 - 240VAC three phase panel
  - 12 - 120/240 VAC single phase panels
- Removal and disposal of wiring that is not reused as indicated on construction drawings.

### INSTALLATION AND COMMISSIONING OF NEW EQUIPMENT

Contractor responsibilities include:

- Follow all safety standards set forth by Seattle City Light.
- DAILY On-Board meetings with the plant operators and SCL staff to:
  - Discuss the plant safety protocols for accessing energized SCL facility.
  - Provide situational awareness of concurrent work in the powerhouse.
  - Discuss necessary outages of the hydro generators, command and control, or critical communications equipment during re-routing of individual circuits.
- Asbestos and lead mitigation as required.
- Demolition of all removed panels and wiring. SCL will assist with hazardous material disposal, such as asbestos.
- Installation of nine (9) new AC panels:

- Two (2) 240 VAC 3F, 4W
- Seven (7) 120/240VAC 1F, 3W
- Pulling approximately 120 new sets of wires, about 3.5 circuit miles, throughout the powerhouse.
  - Most runs will use existing conduit and cable trays, but installation of new power and control conduits or cable trays for any new cable routes may be required. Any new conduit runs shall be designed by contractor and submitted to SCL for approval before work.
  - When necessary, providing back-feed options for critical circuits that will be out for more than one day.
- Updating panel circuit tables at the panels and in the Diablo Powerhouse AC Panel Book.
- Verify correctness of installed wires via point-to-point checks.
- Correct wiring errors discovered during the commissioning process.

## **MATERIALS**

Contractor shall provide all new materials per Owner furnished Bill of Materials (BoM). The contractor will verify the BoM provided by SCL is inclusive during their mandatory walk-through prior to submitting their proposal. If additional items are required, the contractor will draw up an addendum to the BoM to be reviewed and approved by SCL prior to mobilization.

All materials shall meet minimum Seattle City Light Material Standard Specifications available on the SCL website or provided by Engineer.

## **TOOLS**

Contractor will supply their own tools and safety equipment.

## **SCHEDULE**

- Mandatory site visit before bid is submitted.
- Within 30 days of Notice to Proceed, Contractor will provide a proposed project schedule, including requested outages, to SCL.
- A pre-construction meeting will be held after approval of drawings, schedule, and Bill of Materials are submitted, and at least 30 days prior to the start of construction.

## **SYSTEM OUTAGE**

SCL engineers have attempted to identify all critical circuits that will require coordinated outages or possible rerouting of the affected circuits for extended outages. Because there are unknown circuit terminal points in several of the existing panels, daily coordination by contractor with operators and power dispatchers to go over work schedule and confirm outages is required. Any critical circuits requiring outage for more than one day will need to be back-fed. Consult with SCL electrician constructor for options.

## **INSTALLER SUBMITTALS**

- Site Specific Health and Safety Plan, including asbestos and lead procedures.
- Project Schedule
- Shop Drawings
  - Provide shop drawings of the cable routes before installation for approval by SCL, if any.
- As-built Drawings
  - Provide redlines on original construction package to SCL engineering within 60 days. Redlines can be paper copies or scanned drawings in PDF form of 30" x 42" size.
- Final Bill of Materials and schedule will be submitted 30 days prior to the start of construction.
- Weekly progress reports and schedule updates will be provided to SCL Project Manager for the duration of the project.

### **INSTALLER MINIMUM QUALIFICATIONS**

Journey Level Electricians shall meet minimum qualification from SCL Class Spec Listing "Elctn-Con."

*Requires a minimum of three years experience in the electrical trades as an apprentice or helper, including one year working with 2200 volt or higher electrical equipment (or a combination of education and/or training and/or experience which provides an equivalent background required to perform the work of the class).*

Foreman shall meet minimum qualification from SCL Class Spec Listing "Elctn-Con CC."

*Requires three years of experience as an Electrician-Constructor or equivalent journey-level position working in the installation, maintenance and repair of electrical wiring, apparatus and equipment used in the generation and distribution of electrical power, including one year working with 2200 volt or higher electrical equipment.*

### **PROJECT RISKS**

1. Daily exposure to high voltage electrical facilities.
2. Potential for Arc Flash hazard.
3. Lead and asbestos exposure.
4. Many circuits will require coordination of an outage of a hydro generator and will be subject to SCL business requirements and schedule of other work being done in the powerhouse. Project may need to be scheduled in multiple parts to accommodate outage needs.
5. Some of the necessary circuit outages could affect alarm or communication systems. These circuits will require prescreening and plant operator notifications prior to being disconnected and replaced.
6. Existing conduit routing throughout powerhouse is not well-documented.

## Public Works Number Request

### University Irrigation Project

**Administering Department:**

Seattle City Light: Utility Support Services

**Project Contact:**

Amy Riley 206-233-3909 amy.riley@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- University Substation, 3829 6<sup>th</sup> Ave NE
- Installation of irrigation system, controllers, and meters
- Ordinance No. 124648

**Project Scopes:**

This project requires installation of a Rain Bird drip and standard spray irrigation system, including controller, automatic sprinkler valves, double check valves, isolation and drain valves, and an SPU compliant irrigation deduct meter. All vegetation will be planted by Seattle City Light and future locations of vegetation will be clearly marked on the provided *University Substation REVISED (7-6-2016)* drawing. Other plants will be installed by Seattle City Light after the system is complete; no trees, shrubs or other plants are part of this projects work. Contractor shall coordinate with Seattle City Light, which will run power to new controller location.

**Target Bid Date:** August 3, 2016

**Working Construction Estimate:**

- \$35,000
- Funding Source: City Light CIP

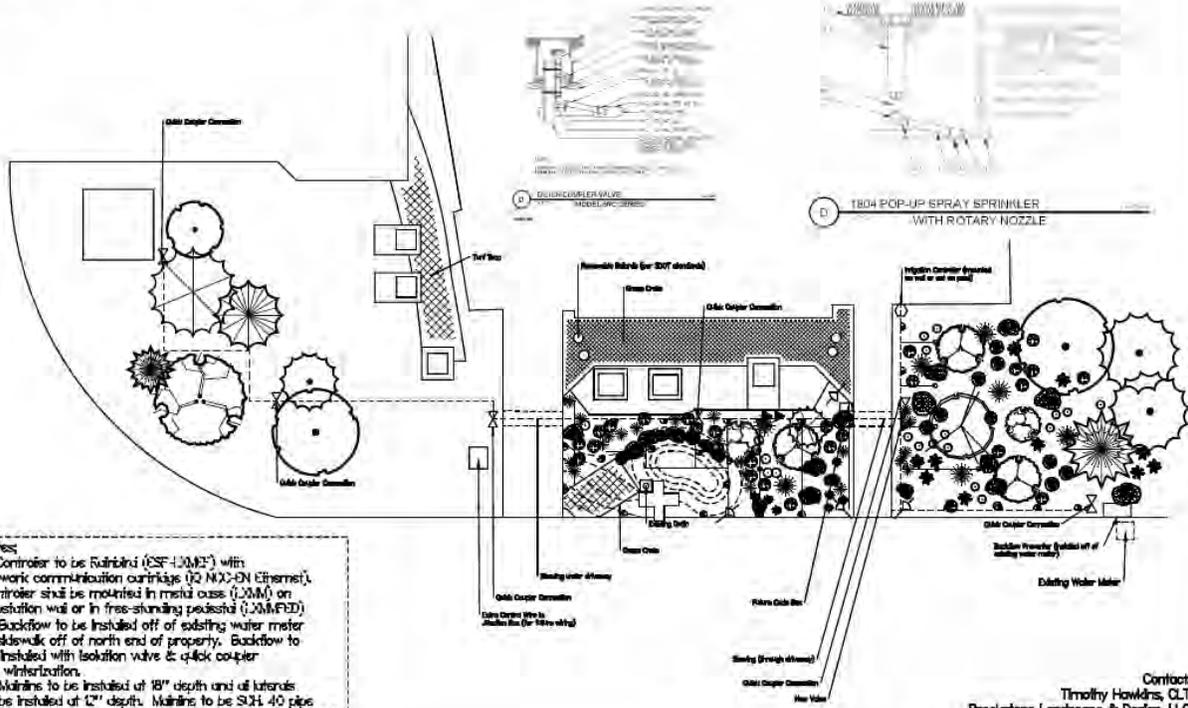
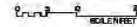
**Attachments:** University Substation REVISED (7-6-2016).pdf

**PW# 2016-111**

# University Substation - Landscape Restoration

**Additional Items/Spec's**

- 1) Boland Spec - [http://www.ultra.com/BL\\_E34/Bolands](http://www.ultra.com/BL_E34/Bolands)
- 2) Irrigation Spray Head - <http://www.hunterindustries.com/product-line/MP20Rotator>
- 3) Backflow Preventer - Wilkins W975MLSAGK
- 4) Controller - <http://www.hunterindustries.com/product-line/controllers>



**Notes:**  
 1) Controller to be Rainbird (ESF-120M2) with network communication cartridge (20 MAX-ON Ethernet). Controller shall be mounted in metal case (120MM) on substation wall or in free-standing pedestal (120MM).  
 2) Backflow to be installed off of existing water meter in sidewalk off of north end of property. Backflow to be installed with isolation valve & quick coupler for winterization.  
 3) Mainline to be installed at 18" depth and all laterals to be installed at 12" depth. Mainline to be SDR41-40 pipe.  
 4) All heads to be Rainbird 12" pop-ups with check valves & low volume rotary nozzles.

**Contact:**  
 Timothy Hawkins, CLT  
 Brookstone Landscape & Design, LLC  
 c. 509-496-7472  
 e. [tim@brookstonelandscape.com](mailto:tim@brookstonelandscape.com)

## Public Works Number Request

### Duwamish Substation – Security System

**Administering Department:**

Seattle City Light

**Project Contact:**

Project Manager: Amy Riley            (206) 233-3909            amy.riley@seattle.gov

Spec Writer: Erich Fiedler

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project Location: 10000 W. Marginal Place South, Tukwila, WA 98108
- General Description: This project consists of the following elements of work: Erosion and sedimentation control, removal of existing chain link fencing, posts, and gates, installation of new 10-ft tall chain link fencing (some materials provided by Owner), installation of new sliding and swing gates, coordination with Owner furnished access control vendor and Owner installed conduit.
- Owner specific goals: Replace fencing to meet FERC requirements.
- Ordinance No.: 124927

**Project Scopes:**

- Primary construction scopes: This project consists of the following elements of work: Erosion and sedimentation control, removal of existing chain link fencing, posts, and gates, installation of new 10-ft tall chain link fencing (some materials provided by Owner), installation of new sliding and swing gates, coordination with Owner furnished access control vendor and Owner installed conduit.

**Target Bid Date:** August 2016

**Working Construction Estimate:**

- \$569,000
- Funding Source: SCL

**Attachments:** Drawings

**PW# 2016-112**

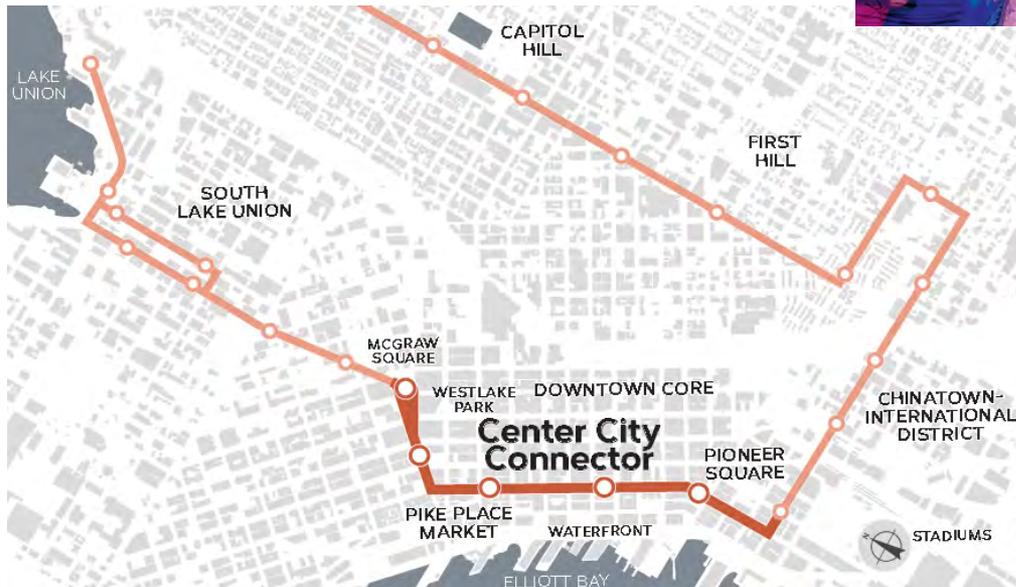


# SDOT Move Seattle



# Mega Projects

- **Center City Streetcar Connector**
  - 1.25 miles of double trackway
  - 5 new stations
  - Maintenance facility expansion



# Mega Projects

- Madison St Bus Rapid Transit  
– 2.8 miles



# Corridor Projects

- 23<sup>rd</sup> Ave Corridor, Phase 2 – large
  - Jackson to MLK
  - 1.0 miles
- Fauntleroy Way SW Blvd Greenway – medium
  - Landscaping, lighting, pe zones, safety features
  - 0.2 miles
- 3<sup>rd</sup> Ave Transit Corridor – medium



# Bridge Projects

- Fairview Ave N. Bridge
  - large
  - 540' x 66' bridge
- Sound Transit N. Link Northgate Ped/Bike Bridge
  - large
- 3 Bridge Seismic Retrofits
  - each small



# Arterial Asphalt/Concrete (AAC)

(most under \$5M)

- S. Michigan St.
- 4<sup>th</sup> Ave S.
- Nickerson St.
- 6<sup>th</sup> Ave
- 25<sup>th</sup> Ave NE
- 35<sup>th</sup> Ave NE
- NE Pacific St
- Rainier/Dearborn
- S. Columbian Way
- Swift/Myrtle/Othello
- University/Cowen/15<sup>th</sup> Ave NE
- Wilson Ave S.



# Bike Lanes & Sidewalks

(most under \$5M)

- Protected Bike Lane –  
3 locations
  - Signal upgrades
  
- New Sidewalks,  
Crosswalks, Curb Ramps
  - Neighborhood Large Projects
  - School Safety, 2 packages
  - Greenwood Ave N



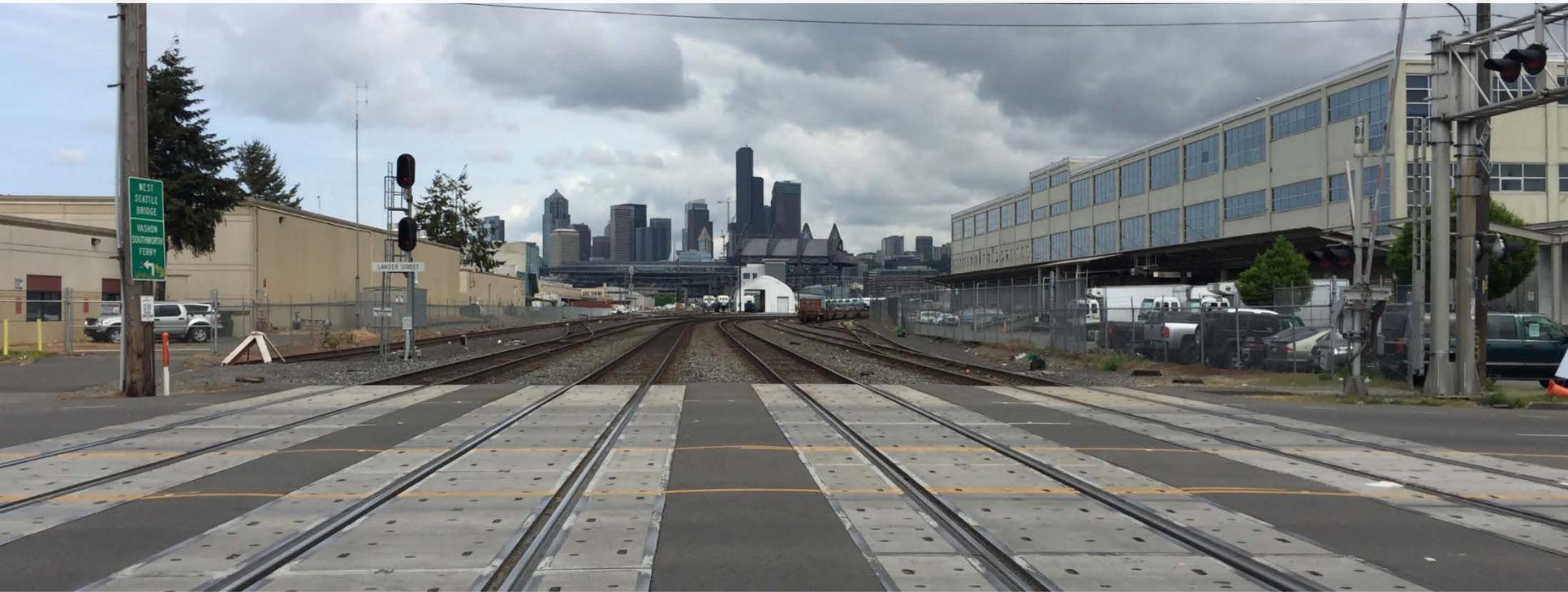
# Microsurfacing

Multiple locations  
throughout city

Approx. 60 lane miles in  
2017 and 2018



# S Lander St Bridge Project



Construction Expo

Jessica Murphy, Project Manager

September 30, 2016



# S Lander St by the numbers

Daily use:



**100+**  
Trains



**13,000+**  
Vehicles



**1,400**  
Pedestrians



**100**  
Bicycles



**75,000**  
Jobs supported  
(100,000 by 2040)

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Daily closures: **100+**

Average traffic delay per closure: **2 minutes, 40 seconds**

Average closure time per day: **4 hours, 50 minutes**

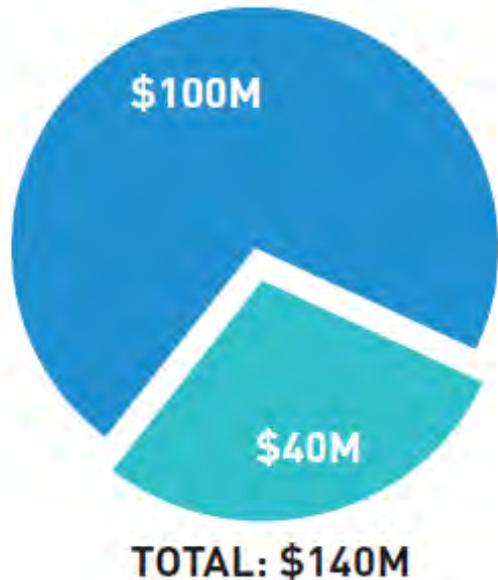
Crossing violations per day: **485**

Collisions over the past five years: **85**

Fatalities over the past five years: **3**

# Project funding

- \$140M Total Project Cost
- \$60-90M Construction Cost



## ■ \$100M Secured funding

- \$45M: Federal FASTLANE Grant
- \$20M: Levy to Move Seattle
- \$10M: Puget Sound Regional Council
- \$8M: Freight Mobility Strategic Investment Board
- \$7M: WSDOT - Connecting Washington
- \$5M: BNSF  
BNSF is committing at least 5% (approximately \$5 million) pursuant to 23 CRF 666.210
- \$5M: Port of Seattle

## ■ \$40M Unsecured funding

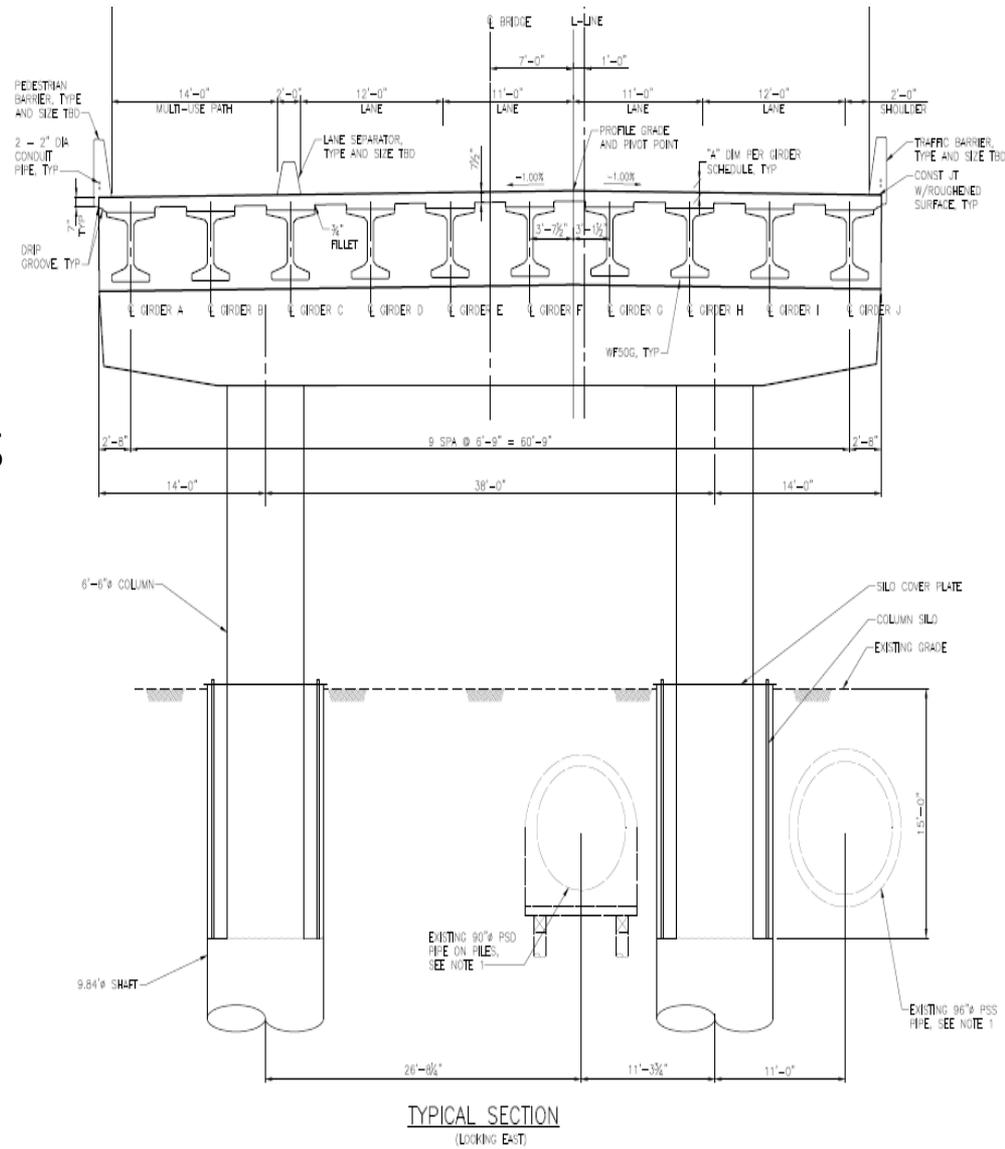
**NEW!** In July 2016, USDOT awarded a \$45 million grant to the project under the Federal FASTLANE Grant Program.

# Scope – Bird's Eye View



# Scope – Low Bid Delivery

- 4-span bridge
  - Concrete girders
  - Cast-in-place deck
  - Concrete substructure
  - Geofoam approaches
- Drilled shaft foundations
  - 160' deep; 8-10' dia.
- Utility work (water, drainage, electrical)
- Concrete and asphalt paving
- Striping, signing and landscaping

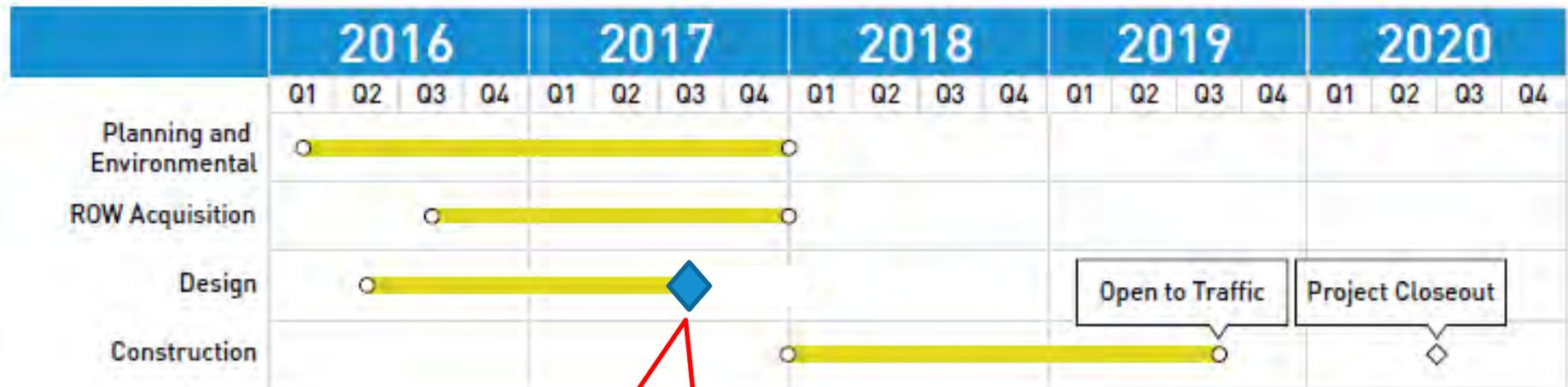


# Proposed Visualization



# Project schedule

- Advertisement – Summer 2017
- Construction - 2018-2019



Advertisement for Bids

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- Visit: [www.seattle.gov/lander\\_bridge.htm](http://www.seattle.gov/lander_bridge.htm)
- Email: [lander\\_bridge@seattle.gov](mailto:lander_bridge@seattle.gov)



[www.seattle.gov/transportation](http://www.seattle.gov/transportation)



## Public Works Number Request

### South Holgate Street Overpass Ramp Widening

**Administering Department:**

Seattle Department of Transportation -- Capital Project and Roadway Design

**Project Contact:**

Project Manager: Norene Pen, 206-684-5065

Spec Writer: Carl Gao, 206-733-9976

**General Information and Project Description:**

- Project location: South Holgate Street overpass between Airport Way S and 8<sup>th</sup> Ave S
- General Description: Construct a new sidewalk on the existing bridge ramp on S Holgate St between Airport Way S and 8<sup>th</sup> Ave S.
- Ordinance Number: 124648 (design only)

**Project Scopes:**

- Primary construction scope: This work consists of installing a soldier pile wall, construction of cast-in-place concrete facing, construction of a short CIP cantilever wall, geofoam backfill, and sidewalk construction along S Holgate St. The project will also construct pedestrian ramps at two corners at the S Holgate St and 8th Ave S intersection.

**Target Bid Date:**

March 2016

**Working Construction Estimate:**

- Engineering Estimate: \$700,000
- Funding Source: ADA and New Sidewalks are contributing \$500K each and BMP \$360K

**Attachments:**

None

**PW# 2015-101**

## Public Works Number Request

### FAIRVIEW AVE NORTH BRIDGE REPLACEMENT

**Administering Department:**

Seattle Department of Transportation - CPRS

**Project Contact:**

Project Manager – MariLyn Yim 206.684.3190, [marilyn.yim@seattle.gov](mailto:marilyn.yim@seattle.gov)

Specification Writer – Jason Boyett, 206.436.0522, [jboyett@perteet.com](mailto:jboyett@perteet.com)

**General Information and Project Description:**

- Fairview Ave N BRRP – Fairview Ave. N bridges BRG-069 and BRG-070
  - Replace two existing bridges with a wider single multi-span concrete bridge that meets current seismic standards
  - Add sidewalk and two-way cycle track to the west side of the bridge while reinstalling east sidewalk
  - Add 3 viewing opportunities to replace the viewing platform eliminated by bridge widening
  - Install stormwater conveyance and provide basic treatment
  - Project will mitigate for expanded overwater coverage – current plan is to remove coal dock, derelict piles, and underwater debris
  - Revise pedestrian, bike, and Cheshiahud Lake Loop Trail connections at bridge ends
  - Relocate and slightly extend existing floating walkway further west
  - Reconnect kayak launch and walkway under bridge connecting to the Hydro House
  - Relocate utilities that are currently on, over, and under the existing bridges
- **Ordinance No.:** 124927

**Target Bid Date:** November 2016

**Working Construction Estimate:**

- \$27,400,000
- Move Seattle Levy

**PW# 2016-029**

## Public Works Number Request

### Safe Routes to School – NE 83<sup>rd</sup> & NE Northlake Way

**Administering Department:**

Seattle Department of Transportation - CPRS

**Project Contact:**

Terry Plumb 206.733.9053

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: NE 83<sup>rd</sup> St – Ravenna Ave NE to NE 28<sup>th</sup> Ave & NE Northlake Way
- Project description: Construction of sidewalk and curb ramps
- Construction complete in 2016
- Ordinance No. 124309

**Project Scopes:**

- The project is the construction of sidewalks and curb ramps, extending driveways, rock retaining walls, and striping.

**Target Bid Date:** May, 2016

**Working Construction Estimate:**

- \$1,084,000
- Funding source: BTG PMP School Safety

**PW# 2016-055**

# Public Works Number Request

## S Michigan St ITS and 1<sup>st</sup> Ave S ITS Projects

**Administering Department:**

Seattle Department of Transportation: Capital Project and Roadway Structures

**Project Contact:**

**Project Manager:** Norene Pen      206-684-5065      norene.pen@seattle.gov  
**Spec Writer:** Lok Chan      206-733-9144      lok.chan@seattle.gov

**Project locations:**

- **S Michigan St** -- S Michigan St between E Marginal Way S and Carleton Ave S
- **1<sup>st</sup> Ave S** -- 1<sup>st</sup> Ave S between S Spokane St and E Marginal Way S

**General Information and Project Description:**

  X      **Design-Bid-Build**

- Construct an Intelligent Transportation System (ITS) to improve traffic flow and provide enhanced traveler information along S Michigan Street and 1<sup>st</sup> Ave S within the project limits.

**Ordinance No.:** 124759

**Project Scopes:**

The project consists of the following elements of work:

- Upgrade existing signal cabinets, installation of pedestrian pushbuttons, install vehicle detection, install fiber optic cable along the corridor, install CCTV cameras, optimized signal timing, and minor civil work.

**Target Bid Date:** November 2, 2016

**Working Construction Estimate:**

\$1,100,000 - \$2,200,000

**Funding Source:** Federal Grant Funds; Cumulative Reserve Sub fund – Street Vacations

**FA number:** Center City Gateway ITS= STPUL-1140(065); S Michigan ITS= CM-1450(004)

**PW# 2016-080**

## Public Works Number Request

### Post Avenue Bridge Replacement

**Administering Department:**

Seattle Department of Transportation – Capital Projects/Roadway Structures

**Project Contact:**

Kit Loo                      684-3669)              kit.loo@seattle.gov

Joe Mathieu              684-3781              joe.mathieu@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Post Avenue between Columbia Street and Marion Street
- Project description: Existing concrete slab bridge supported on timber piles located between Columbia Street and Marion Street. Access to the underside of the bridge is limited and not visible from top of the bridge deck. Existing sidewalks on both sides of the bridge is supported by the adjacent building and the edge of the bridge. The intent of the project is to remove the existing bridge, cut off the existing timber piles below grade; fill in existing open area below bridge with low density cellular concrete to an elevation in which a new concrete roadway and sidewalk can be built to match existing grade.
- The City's primary objective is to remove the existing bridge and permanently convert this segment of Post Avenue into a permanent roadway. The project is anticipated to be completed with minimal impact to the adjacent buildings and disruptions to service access to these buildings from Post Avenue during construction. The work is anticipated to be completed within 120 working days, with construction starting in September 2016.
- Ordinance No.: 124927

**Project Scopes:**

- Primary scope of work is as follows: structural demolition and removal, structural excavation, clearing and grubbing, backfilling with low density cellular concrete, construction of new concrete roadway, and construction of new sidewalk.

**Target Bid Date:** August 24, 2016

**Working Construction Estimate:**

- \$1,227,518
- Funding Sources: FHWA, REET II, and Street Vacation Fund

**Attachments:**

**PW# 2016-085**

# Public Works Number Request



PW# 2016-085

## Public Works Number Request

### Washington Street Landing Pergola Restoration

**Administering Department:**

Seattle Department of Transportation: Capital Projects & Roadway Structures

**Project Contact:**

Eric Strauch      206-233-7208      eric.strauch@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 199 Alaskan Way S, Seattle 98104
- Project description: Move and restoration of the Washington Street Landing Pergola
- Ordinance No. 123922

**Project Scopes:**

- Restore Pergola
- Move Pergola
- Reinstall Pergola

**Target Bid Date:** 1/13/17

**Working Construction Estimate:**

- \$2,000,000
- Funding Source: Elliott Bay Seawall Project Funds

**Attachments:** <http://www.seattle.gov/transportation/pergola.htm>

**PW# 2016-107**

Public Works Number Request



## Public Works Number Request

### University Irrigation Project

**Administering Department:**

Seattle City Light: Utility Support Services

**Project Contact:**

Amy Riley 206-233-3909 amy.riley@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- University Substation, 3829 6<sup>th</sup> Ave NE
- Installation of irrigation system, controllers, and meters
- Ordinance No. 124648

**Project Scopes:**

This project requires installation of a Rain Bird drip and standard spray irrigation system, including controller, automatic sprinkler valves, double check valves, isolation and drain valves, and an SPU compliant irrigation deduct meter. All vegetation will be planted by Seattle City Light and future locations of vegetation will be clearly marked on the provided *University Substation REVISED (7-6-2016)* drawing. Other plants will be installed by Seattle City Light after the system is complete; no trees, shrubs or other plants are part of this projects work. Contractor shall coordinate with Seattle City Light, which will run power to new controller location.

**Target Bid Date:** August 3, 2016

**Working Construction Estimate:**

- \$35,000
- Funding Source: City Light CIP

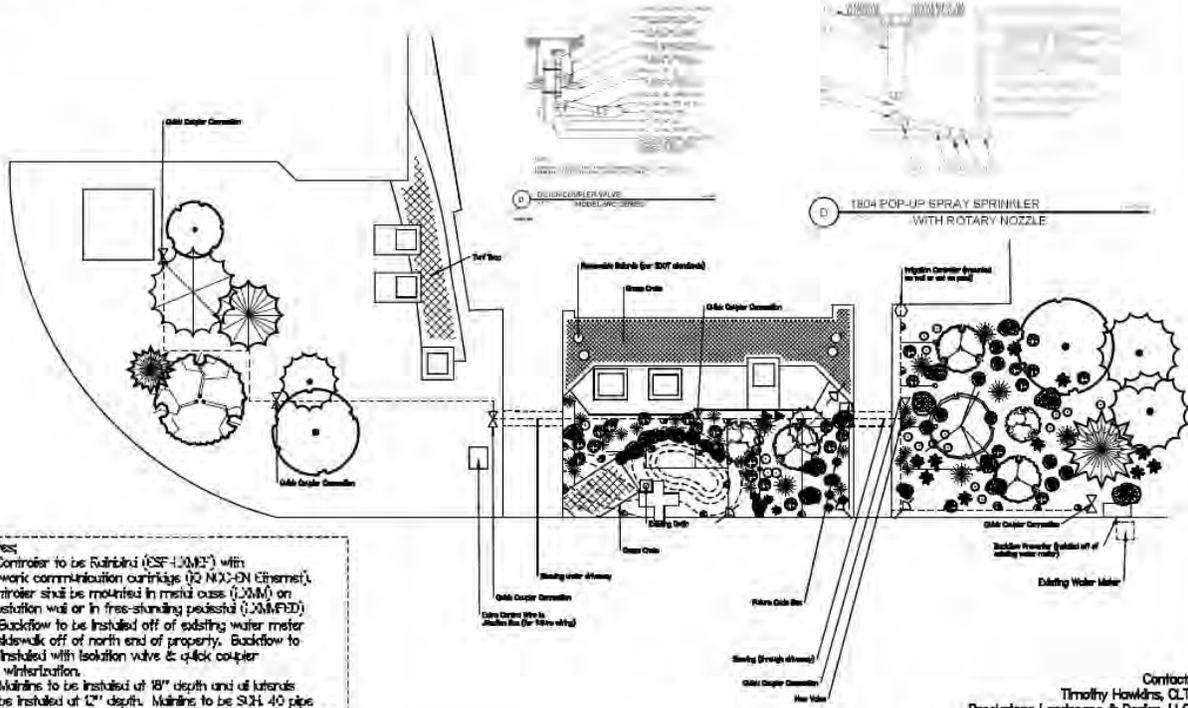
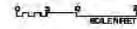
**Attachments:** University Substation REVISED (7-6-2016).pdf

**PW# 2016-111**

# University Substation - Landscape Restoration

**Additional Items/Spec's**

- 1) Boland Spec - [http://www.illinc.com/BL\\_E34/Bolands](http://www.illinc.com/BL_E34/Bolands)
- 2) Irrigation Spray Head - <http://www.illinc.com/product-line/MP20Rotator>
- 3) Backflow Preventer - Wilkins W975MLSAGK
- 4) Controller - <http://www.illinc.com/product-line/controllers>



**Notes:**  
 1) Controller to be Rainbird (ESF-120M2) with network communication cartridge (20 MAX-ON Ethernet). Controller shall be mounted in metal case (120MM) on substation wall or in free-standing pedestal (120MM).  
 2) Backflow to be installed off of existing water meter in sidewalk off of north end of property. Backflow to be installed with isolation valve & quick coupler for winterization.  
 3) Mainline to be installed at 18" depth and all laterals to be installed at 12" depth. Mainline to be SDR41-40 pipe.  
 4) All heads to be Rainbird 12" pop-ups with check valves & low volume rotary nozzles.

**Contact:**  
 Timothy Hawkins, CLT  
 Brookstone Landscape & Design, LLC  
 c. 509-496-7472  
 e. [tim@brookstonelandscape.com](mailto:tim@brookstonelandscape.com)

## Public Works Number Request

### Columbia Street Two-Way Transit Corridor

**Administering Department:**

Seattle Department of Transportation: CPRS

**Project Contact:**

Project Manager: Norene Pen      206-684-5065    norene.pen@seattle.gov

Spec Writer: Abner Gallardo      206-684-8130    abner.gallardo@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Columbia Street from 1<sup>st</sup> Ave to 5<sup>th</sup> Ave.
- General Description: The project will reconstruct roadway pavement with concrete paving from 1<sup>st</sup> Ave to 3<sup>rd</sup> Ave and allow for Columbia Street to operate as a two-way roadway from Alaskan Way to 3<sup>rd</sup> Ave.
- Owner specific goals, time or project site constraints, etc. if applicable: None
- Ordinance No.: 124927

**Project Scopes:** Reconstruct roadway pavement with concrete paving and convert Columbia Street into two-way operation. Work includes sidewalk and curb ramp installations, signal modifications, new channelization, new signing, SPU water main replacement, and miscellaneous work.

**Target Bid Date:** January 4, 2017

**Working Construction Estimate:**

- \$1,900,000 - \$2,100,000
- Funding Source: Federal Transit Administration (FTA), King County Metro and SPU Water Fund

**Attachments:** None

**PW# 2016-113**

## Public Works Number Request

### NE NORTHLAKE WAY, NE 95<sup>TH</sup> ST, NE 83<sup>RD</sup> ST SIDEWALKS

**Administering Department:**

Seattle Department of Transportation: Capital Project Roadway Structures (CPRS)

**Project Contact:**

PM: Barbara Lee                      684-5167                      [Barbara.lee@seattle.gov](mailto:Barbara.lee@seattle.gov)

Project Engineer: Nick Shrope                      233-3925                      [nick.shrope@seattle.gov](mailto:nick.shrope@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project locations:
  1. Northlake Way from NE 7<sup>th</sup> St to Eastlake Ave
  2. 95<sup>th</sup> St NE from NE 32<sup>nd</sup> St to NE 35<sup>th</sup> St
  3. NE 83rd St from Ravenna Ave NE to 28th Ave NE
- Project Description: This project consists of construction of new sidewalk, curb and gutter, curb ramps, driveways, drainage structures, retaining wall, landscaping, tree planting, channelization, signage, paving, and other miscellaneous work.
- Construction Notice to Proceed by October 2016.
- Ordinance No. 124927

**Project Scopes:** Primary construction work includes: concrete sidewalks, asphalt removal and paving, common excavation, clearing and grubbing, rock facing, curb and gutter, driveways, and pavement markings.

**Target Bid Date:** August 31, 2016

**Working Construction Estimate:**

- \$1.7M - \$1.9M
- Funding Source: REET II (00161)

**Attachments:** Map of locations

**PW# 2016-120**

## Public Works Number Request

### 2015 Sidewalk Development & Safe Routes to School – Pkg 3

**Administering Department:**

Seattle Department of Transportation: CPRS

**Project Contact:**

Eric Strauch            206-233-7208            eric.strauch@seattle.gov

Amy Yamabe            206-684-5239            amy.yamabe@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project locations and description: Work is in three separate areas on four different streets.
  - NE 110th St from 39th Ave NE to 41st Ave NE, new sidewalks, curb ramps, curb and gutter on south side of NE 110 St., asphalt shoulder improvements on north side of NE 110th St..
  - S Orcas St from 25th Ave S to 32nd Ave S, new sidewalk, curb, gutter and trees on north side of Orcas from 25th Ave S. to 32nd Ave S..
  - S Cloverdale St from Beacon Ave S to 42nd Ave South, new sidewalk, curb ramps, curb, gutter and trees on north side of Cloverdale.
  - 37th Ave S from S. Cloverdale St. to S Thistle St., new sidewalk, curb ramps, curb, gutter and trees on east side of 37th Ave S.
- Work at NE 110<sup>th</sup> needs to be constructed first, all work needs to be completed by the end of 2017
- Ordinance No. 124927
- **Project Scopes:**
  - Site prep – removal of existing pavement and sidewalk.
  - Drainage – installation of catchbasins and pipe
  - Surface Treatments – asphalt paving, sidewalks, curb, gutter and modular block walls.
  - Planting – street trees

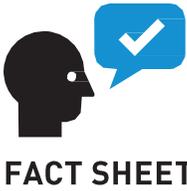
**Target Bid Date:** 12/14/16

**Working Construction Estimate:**

- \$3.0M to \$3.5M
- Funding Source: Move Seattle Levy (MSL)

**Attachments:** Flyer with information about the three sites.

**PW# 2016-121**



# SAFE ROUTES TO SCHOOL

## DEARBORN PARK ELEMENTARY

June 2016

### PROJECT DESCRIPTION

We are committed to making it safer and easier for kids, families, and neighbors to walk and bike in your neighborhood. We plan to build safety and access improvements as early as 2017 near Dearborn Park Elementary and other schools. The improvements include new sidewalk, curb ramps, and a planting strip.

### PROJECT ELEMENTS

- New sidewalk on the north side of S Orcas St between the Chief Sealth Trail and 32nd Ave S
- Replacement of some existing sidewalk on the north side of S Orcas St between 25th Ave S and the Chief Sealth Trail
- New curb ramps where required at pedestrian crossing locations
- New curb, gutter, and trees within the planting strip on the north side of S Orcas St between 25th Ave S and 32nd Ave S

### SCHEDULE AND FUNDING

The project design is about two-thirds complete. Construction may begin as early as 2017.

The Safe Routes to Schools program is funding project design as well as the education and encouragement programs. The Levy to Move Seattle is funding construction.

### BENEFITS

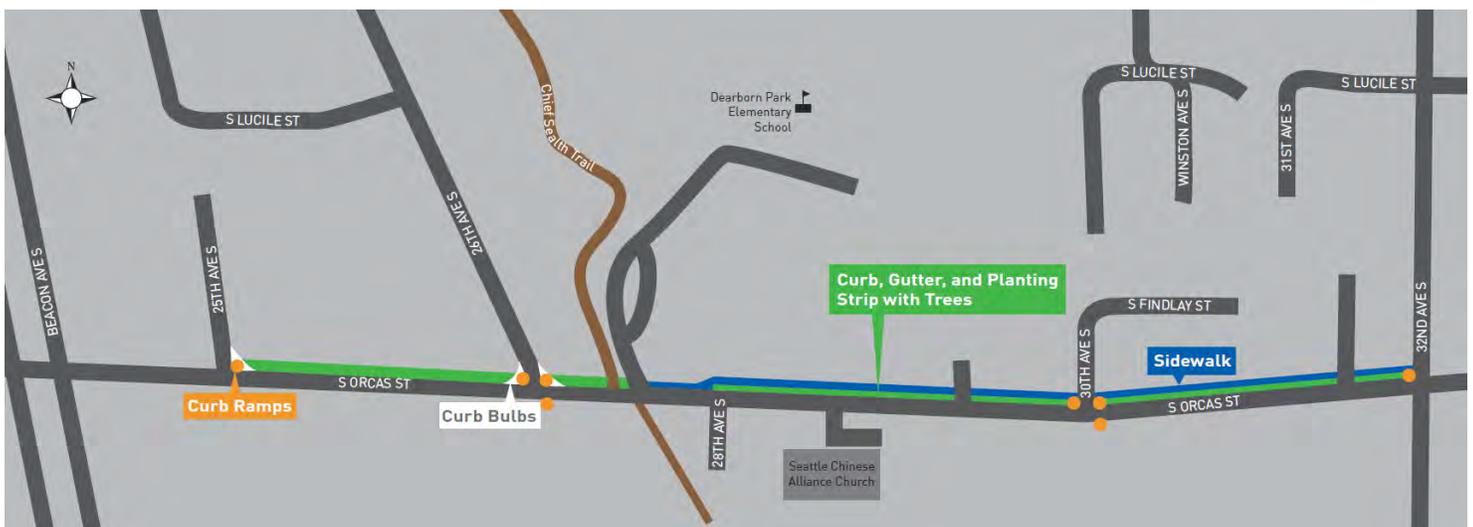
- Improve safety and access on the walking and biking route to school
- Provide pedestrian and bicycle safety education for 2nd, 3rd, and 4th graders
- Encourage more kids to walk and bike safely to school, which will reduce traffic congestion near the school

### WHAT YOU NEED TO KNOW

People walking, including kids on their way to school, will have a safer and easier route, separated from traffic.

Kids will learn skills they need to safely walk and bike to school.

On-street parking will be maintained along much of the north side of S Orcas St.



### PROJECT INFORMATION & CONTACT

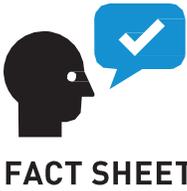
[www.seattle.gov/transportation/SafeRoutesDearbornPark.htm](http://www.seattle.gov/transportation/SafeRoutesDearbornPark.htm)

Emily Reardon, [PedestrianImprovements3@seattle.gov](mailto:PedestrianImprovements3@seattle.gov) or 206-727-3580

如果您需要把下列資訊翻譯成中文，請致電206-727-3580

Nếu quý vị cần thông tin này chuyển ngữ sang tiếng Việt, xin gọi số 206-727-3580.





# SAFE ROUTES TO SCHOOL

## WING LUKE ELEMENTARY

June 2016

### PROJECT DESCRIPTION

We are committed to making it safer and easier for kids, families, and neighbors to walk and bike in your neighborhood. We plan to build safety and access improvements as early as 2017 near Wing Luke Elementary and other schools. The improvements include new sidewalk, curb ramps, and a planting strip.

### PROJECT ELEMENTS

- New sidewalk and curb ramp on the north side of S Cloverdale St between Beacon Ave S and Martin Luther King Jr Way S
- New sidewalk and curb ramp on the east side of 37th Ave S between S Cloverdale St and S Thistle St
- New curb, gutter, and planting strip with trees

### SCHEDULE AND FUNDING

The project design is about two-thirds complete. Construction may begin as early as 2017.

The Safe Routes to Schools program is funding project design as well as the education and encouragement programs. The Levy to Move Seattle is funding construction.

### BENEFITS

- Improve safety and access on the walking and biking route to school
- Provide pedestrian and bicycle safety education for 2nd, 3rd, and 4th graders
- Encourage more kids to walk and bike safely to school, reducing traffic congestion nearby

### WHAT YOU NEED TO KNOW

People walking, including kids on their way to school, will have a safer and easier route, separated from traffic.

Kids will learn skills they need to safely walk and bike to school.

On-street parking will be maintained in most locations.



### PROJECT INFORMATION & CONTACT

[www.seattle.gov/transportation/SafeRoutesWingLuke.htm](http://www.seattle.gov/transportation/SafeRoutesWingLuke.htm)

Emily Reardon, [PedestrianImprovements3@seattle.gov](mailto:PedestrianImprovements3@seattle.gov) or 206-727-3580

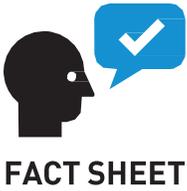
如果您需要把下列資訊翻譯成中文，請致電206-727-3580。

Kung kailangan ninyong isalin sa Tagalog ang impormasyong ito, paki-tawag lang sa 206-727-3580.

Nếu quý vị cần thông tin này chuyển ngữ sang tiếng Việt, xin gọi số 206-727-3580.

Aadeqa turjubaanka waxaa laqu heli karaa codsasho 206-727-3580.





# SAFE ROUTES TO SCHOOL: JOHN ROGERS ELEMENTARY

February 2016

## PROJECT DESCRIPTION

We are committed to making it safer and easier for kids, families, and neighbors to walk and bike in your neighborhood. We plan to build safety and access improvements as early as 2017 near John Rogers Elementary and other schools. The improvements include new sidewalk, curb ramps, and roadway shoulder.

## PROJECT ELEMENTS

- New sidewalk and curb ramps on the south side of NE 110th St between 39th Ave NE and 40th Ave NE
- A new curb and gutter on the south side of NE 110th St between 39th Ave NE and 40th Ave NE
- Asphalt shoulder improvements on the north side of NE 110th St between 39th Ave NE and 40th Ave NE

## BENEFITS

- Improve safety and access on the walking and biking route to school
- Provide pedestrian and bicycle safety education for 2nd, 3rd, and 4th graders
- Encourage more kids to walk and bike safely to school, which will reduce traffic congestion at the school.

## SCHEDULE AND FUNDING

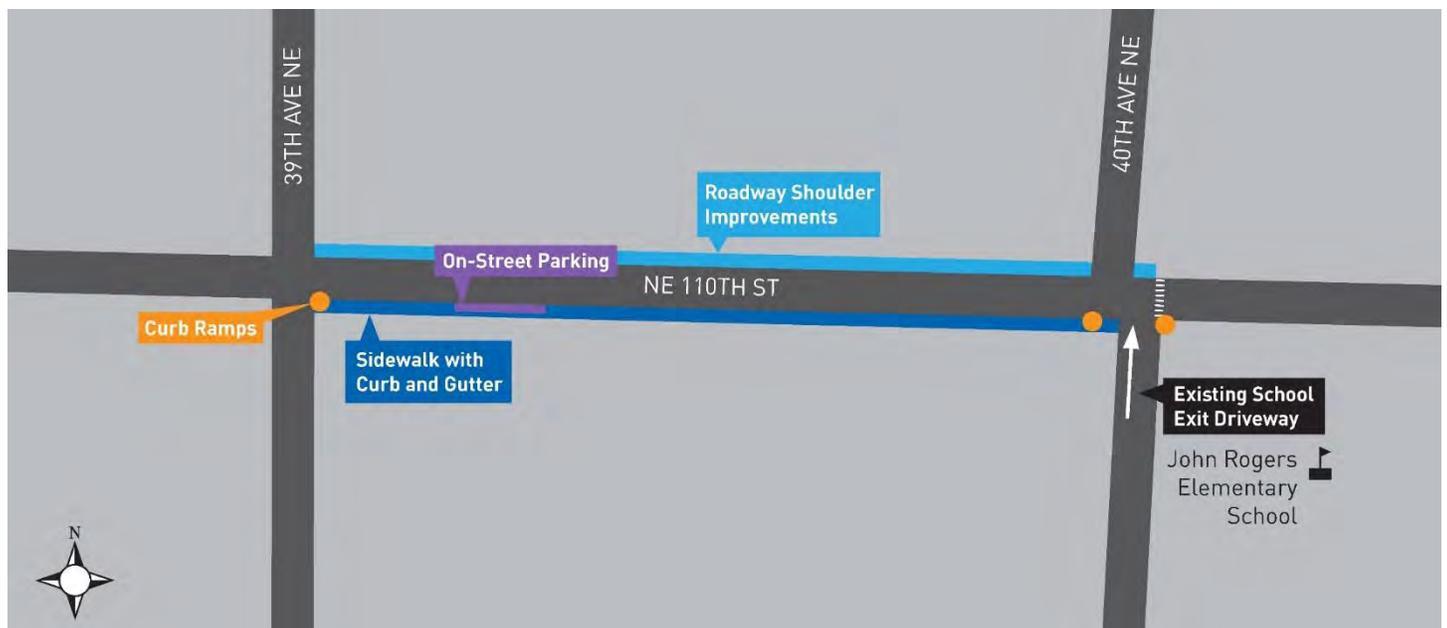
The project design is about two-thirds complete. Construction may begin as early as 2017.

The Safe Routes to Schools program is funding project design as well as the education and encouragement programs. The Levy to Move Seattle is funding construction.

## WHAT YOU NEED TO KNOW

People walking, including kids on their way to school, will have a safer and easier route, separated from traffic.

Kids will learn skills they need to safely walk and bike to school.



## PROJECT INFORMATION & CONTACT

[www.seattle.gov/transportation/SafeRoutesJohnRogers.htm](http://www.seattle.gov/transportation/SafeRoutesJohnRogers.htm)  
Emily Reardon, [PedestrianImprovements3@seattle.gov](mailto:PedestrianImprovements3@seattle.gov) or 206-727-3580  
For translation services, please call: 206-727-3580



# Public Works Number Request

## Box 1 of the Elliott Bay Seawall and Pier 62 Reconstruction

### Administering Department:

Seattle Department of Transportation – Capital Projects/Roadway Structures (CPRS)

### Project Contact:

Jeff Bertram – CPRS (Box 1 of the Elliott Bay Seawall)      684-5194      jeff.bertram@seattle.gov

Kit Loo, SDOT – CPRS (Pier 62 Reconstruction)      684-3669      kit.loo@seattle.gov

Spec Writer (Consultant) – Bob Lenz (Parsons Transportation)

### General Information and Project Description:

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Box 1 – Elliott Bay Seawall Project is the segment of the seawall located in front of Pier 62 and Pier 63 at the waterfront. Pier 62 is located north of the Seattle Aquarium between the Seattle Aquarium pier and the Bell Harbor Marina.
- Project description: The project consists if a base bid, which is the “Box 1 of the Elliott Bay Seawall”. The base bid project is to reconstruct the farthest north segment of seawall project that is situated in front of Pier 62 and Pier 63. This segment of the seawall was originally considered to be constructed as part of the current GC/CM contract to rebuild the southern-most segments of the seawall. The “Pier 62 Reconstruction” piece of this construction contract is to be considered as an “additive” element to the contract. The “Pier 62 Reconstruction” project consists of the complete removal of Pier 62, including the existing timber pile foundations and reconstructing the entire pier with new steel pipe piles and a new concrete deck.
- The goal of the project is to reconstruct both the segment of seawall in front of Pier 62 and Pier 63 and the reconstruction of Pier 62 in the most cost effective and efficient way. Constraints that will need to be considered included coordinating with other major construction projects - such as the demolition of the Alaska Way Viaduct, the reconstruction projects associated with the Central Waterfront, and other utility relocation projects -, and maintenance of traffic along Alaskan Way during the construction of these large projects.
- “Box 1 of the Elliott Bay Seawall” – Ordinance No. 124927
- “Pier 62 Reconstruction” - Ordinance No. 125089

**PW# 2016-126**

# Public Works Number Request

## Project Scopes:

- Primary construction scope is as follows:
  1. “Box 1 – Elliott Bay Seawall Project”
    - Jet Grouting
    - Structural Excavation
    - Precast concrete elements – Fabrication and Installation
    - Habitat beach restoration
    - Roadway reconstruction
    - Concrete placement
  2. “Pier 62 Reconstruction”
    - Pile Driving – Furnishing and Installation
    - Precast concrete elements – Fabrication and Installation
    - Floating Dock – Design, Fabrication and Installation
    - Concrete placement
    - Construction and Installation of Architectural elements
    - Structural steel fabrication and installation

**Target Bid Date:** November 30, 2017

**Working Construction Estimate:** \$59M total

- “Box 1 – Elliott Bay Seawall Project”: \$30M (Funding Source: Commercial Parking Tax Bond, REET II)
- “Pier 62 Reconstruction”: \$29M (Funding Sources: REET, Philanthropy)

**Attachments:**

# Public Works Number Request



**PW# 2016-126**

## Public Works Number Request

### NE 98<sup>th</sup> St & 20<sup>th</sup> Ave NE Retaining Wall

**Administering Department:**

Seattle Department of Transportation – Capital Projects/Roadway Structures (CPRS)

**Project Contact:**

Project Manager: Kit Loo, SDOT – CPRS                      206-684-3669    kit.loo@seattle.gov

Spec Writer: Ehelness Woubetu, SDOT – CPRS            206-733-9630    ehelness.woubetu@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: The retaining wall spans east to west and supports about 269' of the north edge of the NE 98<sup>th</sup> Street Roadway. The west end of the retaining wall terminates near 20<sup>th</sup> Ave NE, which runs perpendicular to NE 98<sup>th</sup> Street.
- Project description: Repair retaining wall
- Ordinance No. 124927

**Project Scopes:**

- Primary construction scope is as follows:
  - Re-grading
  - Installation of new tie backs
  - Shotcrete
  - Structural steel bracing fabrication

**Target Bid Date:** November 30, 2017

**Working Construction Estimate:**

- \$254,000
- Funding Source: REET II

**Attachments:**

**PW# 2016-131**

# Public Works Number Request



**PW# 2016-131**

## Public Works Number Request

### 2017 Arterial Asphalt and Concrete 4<sup>th</sup> Ave S

**Administering Department:**

Seattle Department of Transportation

**Project Contact:**

Brian Glas            718-6990            brian.glas@seattle.gov

Esther Chinn        684-5237            esther.chinn@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 4<sup>th</sup> Ave. S between S Spokane St. and Royal Brougham Way
- Ordinance No. 124927

**Project Scopes:**

- Mill and overlay the street from curb to curb within the project limits
- Perform localized base repairs in the traveled-way
- Construct ADA compliant curb ramps at the intersections
- Restripe all pavement markings
- Install catch basins and pipe connection at select locations within project limits
- Replace traffic detector loops

**Target Bid Date:** Bid opening date March 29, 2017

**Working Construction Estimate:**

- \$11.1 million
- Funding Source: Move Seattle Levy; Levy Lid Lift

**PW# 2016-141**



## Public Works Number Request

### 2015 Spot Sewer and Lining Contract 1

**Administering Department:**

Seattle Public Utilities: Project Delivery Branch

**Project Contact:**

Young Kim, 684-5918, young.kim@seattle.gov

Kai Fan, Spec Writer

**General Information and Project Description:**

- This Project consists of 28 different sites throughout the City of Seattle. A vicinity map and a list of all sites are included in the Project Manual.
- Ordinance No. 124927

**Project Scopes:**

- This Project involves open cut and trenchless repairs to existing sewer mainlines that consists of one or more of the following elements of Work:
  - Open Cut Spot Repair: Spot sewer rehabilitation to existing sewer and drainage pipes of varying depth and size. This includes traffic control, coordinating with other utilities, surface removal, excavation, sonde locating, dewatering, bypass pumping, replacing pipe, pipe fittings, maintenance holes and channels, injection grouting, bedding, jet cleaning, CCTV inspection, backfilling, pavement restoration, and removal of debris.
  - Cured in Place Pipe (CIPP): Approximately 9,000 linear feet of trenchless repairs to existing sewer and drainage pipes of varying depth and size. This includes traffic control, bypass pumping, cleaning and inspection of sewer pipe, removal of debris, removal of intruding lateral piping, installing pre-liner, installing and molding of the CIPP liner to the host pipe, reinstatement of laterals, installation of lateral tee-liners, and post lining CCTV inspection.

**Target Bid Date:** July 2016

**Working Construction Estimate:**

- \$1,900,000
- Funding Source: DWF

**PW# 2016-038**

## Public Works Number Request

### Tolt Ring Gate System Rehabilitation

**Administering Department:**

Seattle Public Utilities

**Project Contact:**

Stephanie Murphy, (206) 386-9778, [stephanie.murphy@seattle.gov](mailto:stephanie.murphy@seattle.gov)

Erich Fiedler, (206) 684-3648, [erich.fiedler@seattle.gov](mailto:erich.fiedler@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: This project is located in the Tolt Watershed, east of Carnation, near the Morning Glory Spillway on the Tolt South Fork Storage Reservoir.
- This Project consists of the following elements of Work:
  - Replace hydraulic fluid in Ring Gate, gripper, and intake tower gate systems with a hydraulic fluid suitable for use over the City's drinking water
  - Re-coat the Ring Gate, structural supports and metallic parts
  - Repair leaking lifting and gripping systems hydraulic system components and restore electrical control system to its original configuration to operate as originally intended
  - Grind protruding bolts, sack finish areas of the spillway wall that bear against the J-seal and replace the J-seal
  - Repair other worn/corroded concrete surfaces
- Owner specific goals: Repair ring gate to full functionality and reliability.
- Ordinance No.: 124927

**Project Scopes:** This Project consists of the following elements of Work:

- Replace hydraulic fluid in Ring Gate, gripper, and intake tower gate systems with a hydraulic fluid suitable for use over the City's drinking water;
- Re-coat the Ring Gate, structural supports, and metallic parts;
- Repair leaking lifting and gripping systems hydraulic system components and restore electrical control system to its original configuration to operate as originally intended;
- Grind protruding bolts, sack finish areas of the spillway wall that bear against the J-seal and replace the J-seal.
- Repair other worn/corroded concrete surfaces.

**Target Bid Date:** April 2016

**Working Construction Estimate:** \$683,000

**Funding Source:** Water Fund

**Attachments:** Drawings

**PW# 2016-045**

## Public Works Number Request

### Landsburg Fish Passage Retrofit

**Administering Department:**

Seattle Public Utilities

**Project Contact:**

Brent Lackey (206) 684-7890 [brent.lackey@seattle.gov](mailto:brent.lackey@seattle.gov)

Erich Fiedler (206) 684-3648 [erich.fiedler@seattle.gov](mailto:erich.fiedler@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: This project is located at the Landsburg Dam within the Cedar River Watershed of the City of Seattle, in Maple Valley, Washington at 28700 S.E. 252nd Place, Maple Valley, WA 98038.
- General Description: This Project consists of improvements to the Landsburg Fish Passage, including a new Vee Trap Structure, Channel Crowder, Secondary Crowder, and Handrail Fish Jump Panel Boards.
- Owner specific goals: Improve fish passage.
- Ordinance No.: 124927

**Project Scopes:**

This Project consists of improvements to the Landsburg Fish Passage, including a new Vee Trap Structure, Channel Crowder, Secondary Crowder, and Handrail Fish Jump Panel Boards.

**Target Bid Date:** May 2016

**Working Construction Estimate:**

- \$136,000
- Funding Source: WATER

**Attachments:** Drawings

**PW# 2016-049**

## Public Works Number Request

### 3<sup>rd</sup> Ave NE Sewer Replacement

**Administering Department:**

Seattle Public Utilities: Engineering Department

**Project Contact:**

Susie Larson, 206-684-5158, [susie.larson@seattle.gov](mailto:susie.larson@seattle.gov)

Adam Currie, 206-615-0632, [adam.currie@seattle.gov](mailto:adam.currie@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Near 8736 3<sup>rd</sup> Ave NW, in 3<sup>rd</sup> Ave NW between NW 89<sup>th</sup> St and NW 90<sup>th</sup> St.
- Project description: Full like sewer replacement including upsizing to 14" DIP, rechanneling of maintenance holes, and reconnection of side sewers.
- Ordinance No. 124927

**Project Scopes:**

- Traffic Control, clearing & grubbing, pavement removal, excavation, pipe installation, backfill and compaction, pavement restoration, curb ramp replacement.

**Target Bid Date:** July 15, 2016

**Working Construction Estimate:**

- \$200,000
- Funding Source: DWF

**Attachments:** None

**PW# 2016-063**

**2015 Sewer Lining Contract 2**

**Administering Department:**

Seattle Public Utilities: Project Delivery Branch

**Project Contact:**

Susie Larson, PM; 4-5158; susie.larson@seattle.gov

Kai Fan, Spec Writer; 4-5942

**General Information and Project Description:**

Project Delivery Type:

Design Bid Build (DBB)

- Project is located at various sites within the City of Seattle.
- Project Description: This project will employ CIPP to rehabilitate approximately 20,000 linear feet of existing sewer and combined sewer and storm pipes at various locations in Central and Downtown Seattle. The mainline pipes being rehabilitated are 6 inches to 18 inches in diameter. This Project consists of the following elements of work: traffic control, bypass pumping, cleaning and inspection of sewer pipe, removal of debris, removal of intruding lateral piping, installing pre-liner, installing and molding of the CIPP liner to the host pipe, reinstatement of laterals, installation of lateral tee-liners, and pre and post lining CCTV inspection. In addition, spot sewer repairs to existing pipe(s) prior to CIPP installation may be required as directed by the Owner.
- Ordinance No. 124927

**Project Scopes:**

- Primary construction scopes: Sewer pipe rehabilitation using cured-in-place lining. Reinstatement of laterals.

**Target Bid Date:** September 2016.

**Current estimated bid date:** October 2016.

**Working Construction Estimate:**

- \$1,900,000.00
- Funding Source: DWF

## Public Works Number Request

### SOUTH PARK PUMP STATION

**Administering Department:**

Seattle Public Utilities - DWF

**Project Contact:**

Project Manager: Jeff Massie (206) 684-0976 jeff.massie@seattle.gov

Spec Writer: Erich Fiedler

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project Location: 698 S. Riverside Drive, Seattle, WA 98108
- General Description: This project consists of the construction of a new flood control pump station including following elements of work: Erosion and sedimentation control, shoring and dewatering, cast in place wetwell, submersible pumps, discharge headbox, masonry control room, and backup generator.
- Owner specific goals: Improve flooding by construction on new flood control pump station.
- Ordinance No.: 124927

**Project Scopes:**

- Primary construction scopes: This project consists of the construction of a new flood control pump station including following elements of work: Erosion and sedimentation control, shoring and dewatering, cast in place wetwell, submersible pumps, discharge headbox, masonry control room, and backup generator.

**Target Bid Date:** May 2017

**Working Construction Estimate:**

- \$5,859,000
- Funding Source: DWF (Drainage and Wastewater Fund)

**Attachments:** Drawings

**PW# 2016-114**

## Public Works Number Request

### 200 Occidental Sewer Replacement Project

**Administering Department:**

SPU: Drainage and Wastewater

**Project Contact:**

Rebecca Dickinson      684-4217      [rebecca.dickinson@seattle.gov](mailto:rebecca.dickinson@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: 200 Occidental (2<sup>nd</sup> Ave. & Main)
- Project description: Replace approximately 50 feet of 12 inch diameter clay sewer in the alley north of S Main St and west of 2<sup>nd</sup> Ave S.
- Ordinance #124927

**Project Scopes:**

- Replace approximately 50 feet of 12 inch diameter clay sewer in the alley north of S Main St and west of 2<sup>nd</sup> Ave S.

**Target Bid Date:** Summer 2016

**Working Construction Estimate:**

- \$231,000.00
- Funding source: DWW (Drainage and Wastewater Fund)

**PW# 2016-105**

# Public Works Number Request

044-041 044-040



# Public Works Number Request

## 2016 Sewer Lining Contract 1

**Administering Department:**

Seattle Public Utilities: PDEB

**Project Contact:**

Bill Steenberg, Project Manager      684-5834      bill.steenberg@seattle.gov

Kai Fan, Spec Writer      684-5942      kai.fan@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

  X   Design Bid Build (DBB)

- Project is located at various sites within the City of Seattle.
- Project Description: This project will employ CIPP to rehabilitate approximately 16,500 linear feet of existing sewer and combined sewer and storm pipes at various locations in Seattle. The mainline pipes being rehabilitated are 8 inches to 12 inches in diameter. This Project consists of the following elements of work: traffic control, bypass pumping, cleaning and inspection of sewer pipe, removal of debris, removal of intruding lateral piping, installing pre-liner, installing and molding of the CIPP liner to the host pipe, reinstatement of laterals, installation of lateral tee-liners, and pre and post lining CCTV inspection. In addition, spot sewer repairs to existing pipe(s) prior to CIPP installation may be required as directed by the Owner.
- Ordinance No. 124927

**Project Scopes:**

- Primary construction scopes: Sewer pipe rehabilitation using cured-in-place lining. Reinstatement of laterals.

**Target Bid Date:** October 2016

**Working Construction Estimate:**

- \$2,000,00.00
- Funding Source: Drainage & Wastewater Fund (DWF)

**PW# 2016-116**

## Public Works Number Request

### Buried Reservoir Seismic Program - Beacon Reservoir

**Administering Department:**

Seattle Public Utilities

**Project Contact:**

Project Manager: Stephanie Murphy      206-386-9778    stephanie.murphy@seattle.gov

Spec Writer: Ryan Brady                      206-501-9834    ryan.brady@seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: City of Seattle at existing Beacon Water Reservoir (Jefferson Park)
- General Description: Seismic improvements to the existing Beacon Water Reservoir
- Ordinance No.: 124927

**Project Scopes:** Selective demolition, structural repair, and installation of a polyurea liner to the existing Beacon reservoir.

**Target Bid Date:** October 2016

**Working Construction Estimate:**

- \$7,500,000 (before tax)
- Funding Source: Water

**Attachments:** None

**PW# 2016-117**

## Public Works Number Request

### Tolt Pipeline 2 Expansion Coupling Reset

**Administering Department:**

Seattle Public Utilities

**Project Contact:**

Project Manager: Stephanie Murphy      206-386-9778      [stephanie.murphy@seattle.gov](mailto:stephanie.murphy@seattle.gov)

Spec Writer: Ryan Brady      206-501-9834      [ryan.brady@seattle.gov](mailto:ryan.brady@seattle.gov)

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Tolt Watershed, North King County (east of Stillwater, WA)
- General Description: Replacing critical coupling (connection) of our 89" Water supply pipeline at the bottom of a steep slope; involves removing and reinstalling 113' of water pipeline and 20' of flexible joints at new vertical alignment of new coupling. New road restoration adjacent to pipe as well.
- Ordinance No.: 124927

**Project Scopes:**

- Primary construction scopes: Excavation, removal and storage of 89" diameter pipe and Flex-Tend joint, regrading, surveying, installing pipe bedding and backfill, reinstalling 89" diameter pipe and Flex-Tend joint, supporting SPU in butt strap weld connection on south end of pipe, and new road restoration adjacent to pipeline.

**Target Bid Date:** November 2016

**Working Construction Estimate:**

- \$650,000 (before tax)
- Funding Source: Water Fund

**Attachments:** None

**PW# 2016-142**



## Public Works Number Request

### Seattle Center Upper Breezeway Modifications

**Administering Department:**

SEATTLE CENTER: Redevelopment Office

**Project Contact:**

Diane M. Hilmo, PE                      206-615-0887                      diane.hilmo@Seattle.gov

Spec Writer: Schemata Workshop

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Republican & Warren by Seattle Center campus upper NW Rooms Breezeway
- Project description Modify existing breezeway by removing canopies, adding planters, skylights, and roof opening.

Demolish metal canopies and supports, 2 storage rooms, breezeway siding, concrete paving (ramps, stairs, and curbs) and remove handrails, metal trenches, bollards, neon and miscellaneous lighting, and three skylights.

All new construction includes: constructing two skylights, one opening in the roof, storage room, concrete ramps, stairs and planter, installation of stainless steel handrails and bollards; siding; and lighting. Install new roofing where the skylights were removed.

- Construction cannot start until Fall of 2016
- Ordinance No. 124648

**Project Scopes:**

- Demolition, Cast-In-Place Concrete, Electrical and Siding

**Target Bid Date:** August 3, 2016

**Working Construction Estimate:**

- \$550,000
- Funding Source: Capital CRS-REET1

**PW# 2016-052**

## Public Works Number Request

### 1<sup>st</sup> Ave N. Garage Landing Repair

**Administering Department:**

Seattle Center: Redevelopment

**Project Contact:**

Diane Hilmo      615-0887      Diane.Hilmo@Seattle.gov

**General Information and Project Description:**

Project Delivery Type (check the appropriate method):

Design Bid Build (DBB)

- Project location: Seattle Center, 1st Ave. N and Thomas Street.
- Project description: Modify elevator landings to keep water from ponding. Add drains and piping to the landings.
- Contractor must work around Center events by phasing the work.
- Ordinance No. 124927

**Project Scopes:**

- Modify slopes on elevator landings by applying a concrete epoxy and adding drains and drain pipes to the landings.

**Target Bid Date:** July 13, 2016

**Working Construction Estimate:**

- \$60,000
- 00163 - CUM RES CAP PROJ REET I SUBFD

**PW# 2016-073**

