Council Member Breean Beggs called the meeting to order at 1:15 p.m.

**Review and Approval of Minutes**
Council Member Beggs asked for a motion to approve the minutes of the January 22, 2018 meeting.

- **Action Taken**
- Council Member Fagan moved to approve the minutes of the January 22, 2018 meeting as presented; the motion was seconded by Council Member Kinnear. The minutes were approved unanimously.

**Consent Items (Briefing Papers only)**
1. Purchase six Replacement Vehicles for Streets and Water
2. Property Acquisition for Future South Hill Water Reservoir
3. Purchase of Miscellaneous Waterworks
4. Contract for Composting Organic Materials
5. Biosolids Incineration Feasibility Study
6. Contract Extension for Groundwater Monitoring and Reporting at Northside Landfill
7. Mechanical Repairs at Waste to Energy
8. Scaffolding Services at Waste to Energy
9. Renewal of Contract for Bioxide to Riverside Park Water Reclamation Facility (RPWRF)
10. Contract for Dry and Liquid Polymer to RPWRF
11. Greene Street and Ermina Avenue Intersection Signalization
12. Utility Design Agreement with WSDOT for NSC
13. 2018 Transportation Grant Opportunities
14. Resolution and Contract for Purchase of Huber Equipment and Parts for RPWRF

Discussion Items
A. Council Requests
   1. Discuss keeping Spokane Falls Boulevard closed to vehicular traffic between Lincoln and Monroe
      This item was discussed under Priority Strategy 2 below and was decided to hold a Council Study Session on March 22nd.

B. Staff Requests
   1. Alley/Unimproved Street Program
      Scott Simmons distributed maps of the unpaved streets and alleys as well as a map of the alleys with solid waste collection routes and a separate map of the improved and unimproved dirt and gravel streets within city limits. The program would target 10 miles of unimproved streets and 39 miles of alleys with Solid Waste Routes. The proposal is to get recommendations from the solid waste collection drivers who travel these routes every week. These would be regraded to improve the function. Council Member Mumm inquired if there was any research on moving garbage pickup from the alley to the front of homes. Scott replied that as residence request it, staff will reach out to other neighbors for consensus. The areas to look at first will be northeast and west central and a list will be provided a few months in advance as it is coordinated with garbage pickup and other construction. This work would be done by four additional employees in the Street Department that will be added by Special Budget Ordinance in the next few weeks. The cost is already budgeted in streets and would be used for these positions. A progress status will be reported in the fall to the Committee.

   2. Leak Detection
      This item was discussed under Priority Strategy 4 below.

Priority Strategies
Priority Strategy 1. Rapidly Accelerating Street Pavement Maintenance Projects
No report this meeting.

**Priority Strategy 2. Repurposing Public Property to Stimulate Private Investment**

- Western Gateway, Trail and River Partnerships
  Rick Romero discussed the work to coordinate public and private partnerships to look at the opportunities from Post Street and to the west. Scott Simmons gave an introduction of Kara Heatherly and Katherine Miller about their work to look the area holistically. They reviewed the projects and how the work could be timed and create connectivity. The presentation and discussion is to gather feedback at the onset of these strategic investments. Kara spoke about each project including Post Street Bridge, Bosch parking lot area, Veterans Memorial Park, staging areas, looping trail to the north, proposed zipline between CSO 25 and Glover field, and the South Gorge Trail final phase. Leroy Eadie spoke about the Riverfront Park redevelopment and timing of the Havermale Island area.

- Post Street Bridge Design Bid Proposed Award
  Kyle Twohig gave a brief update on the bid process. The next step is for the federal agency to approve the choice and then near the end of March it will be on the Council agenda. In April, the team will return to the Committee with an update on the work and possibly visuals. The public meetings will be held to view the structure and then more meetings to discuss the amenities on the bridge or bridge surface.

- Discuss keeping Spokane Falls Boulevard closed to vehicular traffic between Lincoln and Monroe
  Scott Simmons gave a brief introduction of the question that was brought by Council Member Burke. Today’s discussion will cover some of the elements that would go into the consideration of reprogramming the street and will also be discussed at the Study Session on March 22nd. Inga Note gave a PowerPoint presentation outlining items for consideration and evaluation such as the crosswalk, carbon monoxide at the entrance of the parking garage, bus stop, buses using both lanes, bicycle lane transition, library access for parking garage, refuse and deliveries. Discussion was had on carbon monoxide monitoring, and timing of traffic lights. Council Member Kinnear asked for more about the carbon monoxide monitoring in the garage and Council Member Burke inquired if Spokane Falls Boulevard along Riverpark Square could be turned into two way traffic.

- Investments in PDA’s
  Rick Romero began the discussion on investments in Public Development Areas with discussing the $250,000 funds to split between the three PDA’s and criteria is being developed with Council and staff for adoption at the next meeting. Discussed the $52 million Community Investment plan and Rick will visit with each PDA board to discuss the proposed investments in each area. Scott discussed the proposed projects in the Northeast PDA including matching funds for Wellesley, repurposing the Street Department property known as the Ranch property, improve Rowan between Sycamore and Myrtle. The University District PDA projects include
grind/overlay of Sprague Avenue and Grant to Riverside and Sheridan. The West Plains PDA proposed projects are a stormwater study and roundabout at Highway 2 and Deer Heights Road.

Priority Strategy 3. Smart Use of Water Resources for Economic Growth
  o No report this meeting.

Priority Strategy 4. Putting Our Renewable Energy Resources to Work in the Community
  o Leak Detection
    Dan Kegley reviewed a PowerPoint of the work for water main condition assessment. He discussed the technology utilized including a pipe diver, smart ball and listening to valves. Dan highlighted the use of a pipe diver to assess the transmission main that went through Manito Park as well as the transmission main on 57th Avenue. The inspection resulted in determining the Manito main had no leaks and no anomalies. The 57th main was determined to have 1 leak and three pipe segments with anomalies.

    Dan discussed the use of geophones for acoustic leak detection and leak survey by satellite. The satellite spectrometry can detect system water compared to aquifer water. The DSL is at 12.275% for 2017 which is a reduction over previous years and evaluations and water audit is still continuing.

Executive Session
None.

Adjournment
The meeting adjourned at 2:40 p.m.

Prepared by:
Barbara Patrick, Administrative Specialist

Approved by:

[Signature]

Chair
The Spokane City Council’s Public Infrastructure, Environment and Sustainability Committee meeting will be held at 1:15 p.m. on February 26, 2018 in Council Briefing Center, Lower Level, City Hall, 808 West Spokane Falls Boulevard, Spokane, Washington.

The meeting will be conducted in a standing committee format. Because a quorum of the City Council may be present, the standing committee meeting will be conducted as a committee of the whole council. The Public Infrastructure, Environment and Sustainability Committee meeting is regularly held every 4th Monday of each month at 1:15 p.m. unless otherwise posted.

The meeting will be open to the public, with the possibility of moving or reconvening into executive session only with the members of the City Council and the appropriate staff. No legislative action will be taken. No public testimony will be taken and discussion will be limited to appropriate officials and staff.

AGENDA

I. Call to Order

II. Approval of minutes from January 22, 2018 meeting

III. Consent Items
1. Purchase six Replacement Vehicles for Streets and Water – Steve Riggs
2. Property Acquisition for Future South Hill Water Reservoir – Dave Steele
3. Purchase of Miscellaneous Waterworks – Loren Searl
5. Biosolids Incineration Feasibility Study – Chuck Conklin
7. Mechanical Repairs at Waste to Energy – David Paine
8. Scaffolding Services at Waste to Energy – David Paine
9. Renewal of Contract for Bioxide to Riverside Park Water Reclamation Facility (RPWRF) – Mike Coster
10. Contract for Dry and Liquid Polymer to RPWRF – Mike Coster
11. Greene Street and Ermina Avenue Intersection Signization – Dan Buller
12. Utility Design Agreement with WSDOT for NSC – Kevin Picanco
13. 2018 Transportation Grant Opportunities – Brandon Blankenagel
14. Resolution and Contract for Purchase of Huber Equipment and Parts for RPWRF – Mike Coster

IV. Discussion Items
A. Council Requests
   1. Discuss keeping Spokane Falls Boulevard closed to vehicular traffic between Lincoln and Monroe – Council Member Burke (15 minutes) (Discuss under Priority Strategy 2 below)

B. Staff Requests
   1. Alley/Unimproved Street Program – Gary Kaesemeyer (10 minutes)
2. Leak Detection – Dan Kegley (15 minutes)

V. **Strategic Plan Session**
   A. **Priority Strategy 1: Rapidly Accelerating Street Paving Maintenance Projects**
      - No report this meeting.
   
   B. **Priority Strategy 2: Repurposing Public Property to Stimulate Private Investment**
      - Western Gateway, Trail and River Partnerships – Rick Romero/Katherine Miller (30 minutes)
        - Post Street Bridge Design Bid Proposed Award – Mark Serbousek/Kyle Twohig (10 minutes)
      - Investments in PDA’s – Rick Romero (15 minutes)
   
   C. **Priority Strategy 3: Smart Use of Water Resources for Economic Growth**
      - No report this meeting.
   
   D. **Priority Strategy 4: Putting our Renewable Energy Resources to Work in the Community**
      - No report this meeting.

VI. **Executive Session**

   Executive Session may be held or reconvened during any Public Infrastructure, Environment, and Sustainability Committee meeting.

VII. **Adjournment**

**Next Public Infrastructure, Environment, and Sustainability Committee Meeting**

   March 26, 2018 1:15 p.m. in the Council Briefing Center

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**AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION:** The City of Spokane is committed to providing equal access to its facilities, programs and services for persons with disabilities. The Council Briefing Center in the lower level of Spokane City Hall, 808 W. Spokane Falls Blvd., is wheelchair accessible and also is equipped with an infrared assistive listening system for persons with hearing loss. Headsets may be checked out (upon presentation of picture I.D.) through the meeting organizer. Individuals requesting reasonable accommodations or further information may call, write, or email Human Resources at 509.625.6363, 808 W. Spokane Falls Blvd, Spokane, WA, 99201; or msteinolfson@spokanecity.org. Persons who are deaf or hard of hearing may contact Human Resources through the Washington Relay Service at 7-1-1. Please contact us forty-eight (48) hours before the meeting date.
Briefing Papers
# Briefing Paper

**Public Infrastructure, Environment & Sustainability Committee**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works Division, Fleet Services Department</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject:</strong></td>
<td>Purchase of six vehicles for two departments</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>26 February 2018</td>
</tr>
<tr>
<td><strong>Contact (email &amp; phone):</strong></td>
<td>Steve Riggs (<a href="mailto:sriggs@spokanecity.org">sriggs@spokanecity.org</a>  625-7706)</td>
</tr>
<tr>
<td><strong>City Council Sponsor:</strong></td>
<td>Scott Simmons</td>
</tr>
<tr>
<td><strong>Committee(s) Impacted:</strong></td>
<td>Public Infrastructure, Environment &amp; Sustainability Committee</td>
</tr>
<tr>
<td><strong>Type of Agenda item:</strong></td>
<td>☑ Consent ☐ Discussion ☐ Strategic Initiative</td>
</tr>
<tr>
<td><strong>Alignment:</strong></td>
<td>These purchases are in the departments 2018 budget.</td>
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<tr>
<td><strong>Strategic Initiative:</strong></td>
<td></td>
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<tr>
<td><strong>Deadline:</strong></td>
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<tr>
<td><strong>Outcome:</strong></td>
<td>(deliverables, delivery duties, milestones to meet)</td>
</tr>
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</table>

## Background/History:

Purchase two ¾ ton pick-up trucks for the Street Department for $87,682.59 including tax, and two Escapes and two cargo vans for the Water Department totaling $109,343.10 including tax.

## Executive Summary:

- These six vehicles are replacement units for vehicles that have reached the end of their life cycle
- State Contract 05916 provides the most economical procurement method at this time

## Budget Impact:

<table>
<thead>
<tr>
<th>Approved in current year budget?</th>
<th>Yes ☑ No ☐ N/A</th>
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</thead>
<tbody>
<tr>
<td>Annual/Reoccurring expenditure?</td>
<td>Yes ☑ No ☐ N/A</td>
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<tr>
<td>If new, specify funding source:</td>
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<tr>
<td>Other budget impacts: (revenue generating, match requirements, etc.)</td>
<td></td>
</tr>
</tbody>
</table>

## Operations Impact:

| Consistent with current operations/policy? | Yes ☑ No ☐ N/A |
| Requires change in current operations/policy? | Yes ☑ No ☐ N/A |
| Specify changes required: | |
| Known challenges/barriers: | |
## Briefing Paper

**Public Infrastructure, Environment & Sustainability Committee**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Finance &amp; Administration, Asset Management</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject:</strong></td>
<td>Property Acquisition for Future South Hill Water Reservoir</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>1/29/2018</td>
</tr>
<tr>
<td><strong>Author (email &amp; phone):</strong></td>
<td>Dave Steele, 625-6064</td>
</tr>
<tr>
<td><strong>City Council Sponsor:</strong></td>
<td>TBD</td>
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<tr>
<td><strong>Executive Sponsor:</strong></td>
<td>Scott Simmons</td>
</tr>
<tr>
<td><strong>Committee(s) Impacted:</strong></td>
<td>PIES</td>
</tr>
<tr>
<td><strong>Type of Agenda item:</strong></td>
<td>XX Consent Discussion Strategic Initiative</td>
</tr>
<tr>
<td><strong>Alignment:</strong></td>
<td>Water System Plan 6 Year Capital Program</td>
</tr>
<tr>
<td><strong>Strategic Initiative:</strong></td>
<td>NA</td>
</tr>
<tr>
<td><strong>Deadline:</strong></td>
<td>June 2018</td>
</tr>
<tr>
<td><strong>Outcome:</strong></td>
<td>Acquisition of property for future water reservoir</td>
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</table>

## Background/History:

The Water System Plan identified that there is a deficiency of water storage capacity on the South Hill. As part of the City’s 6 Year capital program, dollars have been allocated for the acquisition of property for a new reservoir location.

Collaborating with Integrated Capital Management on site requirements such as elevation, proximity, and site square footage, suitable areas of the south hill were identified.

With the intent of meeting the capacity need and site requirements, City staff has negotiated the acquisition of property suitable for the construction of the new reservoir. This property meets the needs of the water system both geographically and in elevation. The seller has agreed to the purchase price of $281,801 and is set to close on the sale of the property at the City’s convenience.

## Executive Summary:

- Water System Plan identifies a deficiency in water storage capacity on the South Hill
- 6 Year Capital Program has allocated funds for property acquisition
- Utilizing site requirements and constraints provided by Integrated Capital, locations were selected
- Staff has negotiated the acquisition of a suitable property with a willing seller
- Total acquisition cost is $281,000 plus applicable closing costs for a total of approximately $300,000

## Budget Impact:

- Approved in current year budget? XX Yes No
- Annual/Reoccurring expenditure? Yes XX No

If new, specify funding source:
Other budget impacts: (revenue generating, match requirements, etc.)

## Operations Impact:
Consistent with current operations/policy? XX Yes No
Requires change in current operations/policy? Yes XX No
Specify changes required: None
Known challenges/barriers: None
**Briefing Paper**

**Public Infrastructure, Environment, and Sustainability Committee**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works, 4100 Water &amp; Hydroelectric Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject:</td>
<td>Miscellaneous Waterworks Products</td>
</tr>
<tr>
<td>Date:</td>
<td>2/26/2018</td>
</tr>
<tr>
<td>Author (email &amp; phone):</td>
<td>Loren Searl, <a href="mailto:lsearl@spokanecity.org">lsearl@spokanecity.org</a> ext. 7851</td>
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<td>City Council Sponsor:</td>
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<td>Executive Sponsor:</td>
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<tr>
<td>Type of Agenda item:</td>
<td>☐ Consent ☐ Discussion ☐ Strategic Initiative</td>
</tr>
</tbody>
</table>

**Alignment:** (link agenda item to guiding document – i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan)

Funding for these purchases has been allocated in the Water & Hydroelectric Services department budget.

**Strategic Initiative:** Innovative Infrastructure, Urban Experience

**Deadline:** Products needed to support 2018 construction/repair season

**Outcome:** (deliverables, delivery duties, milestones to meet)

These orders support efficient and competitive procurement of the known products required to support this year’s construction/repair projects for water service throughout the City of Spokane.

**Background/History:** On Monday, February 5, 2018 sealed bids were opened to provide the Water Warehouse with Miscellaneous Waterworks Products in support of the 2018 service season. Five (5) bids were received itemizing costs across eighteen (18) item categories. Award of this business is recommended across four (4) bid respondents as detailed in the Executive Summary below. These recommendations are in accordance with the low bidder meeting specifications for each of the eighteen (18) categories.

**Total Business Awarded:** $1,066,185.88 including tax

**Executive Summary:**

- Award of items competed on Bid #4433-18 Miscellaneous Waterworks Products as follows:
  - **Core & Main (Spokane, WA) - $814,587.79 including tax**
    - Item 3: Compression Brass Fittings
    - Item 5: Ductile Iron Fittings
    - Item 7: Megalug Field Lok Gaskets
    - Item 9: Ductile Iron Pipe
    - Item 10: HDPE Poly Pipe
    - Item 12: Tapping Sleeves
    - Item 13: Valves
    - Item 16: Coiled Pit Setter Meter Boxes
    - Item 18: Dillen Lug/Eye Bolt
  - **M&L Supply (Spokane, WA) - $150,879.32 including tax**
    - Item 6: Galvanized Fittings
    - Item 8: Copper Pipe
  - **HD Fowler Co. (Spokane, WA) - $65,707.07 including tax**
    - Item 1: Brass
    - Item 4: Repair Couplings
    - Item 11: Service Saddles
    - Item 17: All Thread
- Ferguson Waterworks (Spokane Valley, WA) - $35,011.70 including tax
  - Item 2: Clamps
  - Item 14: Butterfly Valves
  - Item 15: Combination Valves

**Budget Impact:**
- Approved in current year budget?  ☑ Yes  ☐ No
- Annual/Reoccurring expenditure?  ☐ Yes  ☑ No
- If new, specify funding source: ---
- Other budget impacts: ---

**Operations Impact:**
- Consistent with current operations/policy?  ☑ Yes  ☐ No
- Requires change in current operations/policy?  ☐ Yes  ☑ No
- Specify changes required: N/A
- Known challenges/barriers: N/A
### Briefing Paper

**Public Infrastructure, Environment, and Sustainability**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works / 4500 – Solid Waste Collection</th>
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</thead>
<tbody>
<tr>
<td><strong>Subject:</strong></td>
<td>Contract with Barr-Tech, LLC.</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>February 26, 2018</td>
</tr>
<tr>
<td><strong>Author (email &amp; phone):</strong></td>
<td>Scott Windsor (<a href="mailto:swindsor@spokanecity.org">swindsor@spokanecity.org</a>) 509.625.7806</td>
</tr>
<tr>
<td><strong>City Council Sponsor:</strong></td>
<td>Mike Fagan</td>
</tr>
<tr>
<td><strong>Executive Sponsor:</strong></td>
<td>Scott Simmons, Public Works Director</td>
</tr>
<tr>
<td><strong>Committee(s) Impacted:</strong></td>
<td>Public Infrastructure, Environment and Sustainability</td>
</tr>
<tr>
<td><strong>Type of Agenda item:</strong></td>
<td>☑ Consent  ☐ Discussion  ☐ Strategic Initiative</td>
</tr>
<tr>
<td><strong>Alignment:</strong></td>
<td>Solid Waste Collection &amp; Disposal Departments’ Operating Budgets</td>
</tr>
</tbody>
</table>

#### Strategic Initiative:
- Current short-term contract extension expires February 28, 2018
- **Outcome:** Allows both departments to compost organic materials collected curbside from residential accounts or self-hauled to the Waste to Energy Facility by city and county customers.

#### Background/History:
- Five-year contract, with option to extend for one (1) five-year period, to transport, process and compost residential organics – annual estimated expenditure $1,300,000.
- RFP #17-4420 was issued to 21 firms that provide services in the solid waste industry. Barr-Tech, LLC was the only response received and met all qualifications as set forth in the RFP.

### Executive Summary:
- $46.75/ton for Solid Waste Collection to deliver residential organics to Barr-Tech’s transfer station (Action Materials located at 9518 South Grove Road, Spokane, WA 99224) – estimated annual expenditure $800,000.
- $46.75/ton for Barr-Tech to collect residential organics at the Waste to Energy Facility and transport 22 miles to compost facility (Barr Regional Bio-Industrial Park located at 9117 Kallenberger Road North, Sprague, WA 99032)—estimated annual expenditure $500,000.
- Barr-Tech may request an annual price adjustment in writing based on the Consumer Price Index (CPI) of the previous year.
- A fuel surcharge is being negotiated for instances when diesel reaches an excess of $3.00 per gallon.
- Composting organics diverts materials out of the main waste stream which creates a positive environmental impact.
- Complies with Department of Agriculture’s restrictions on shipments of yard waste.
- Solid Waste Collection & Disposal have been doing business with Barr-Tech since 2011 with satisfactory results.

### Budget Impact:
- Approved in current year budget?  ☑ Yes  ☐ No
- Annual/Reoccurring expenditure?  ☑ Yes  ☐ No
- **Other budget impacts:** (revenue generating, match requirements, etc.)

### Operations Impact:
- Consistent with current operations/policy?  ☑ Yes  ☐ No
- Requires change in current operations/policy?  ☐ Yes  ☑ No
- Known challenges/barriers:
Briefing Paper  
(Public Infrastructure, Environment, and Sustainability)

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works / Riverside Park Water Reclamation Facility</th>
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<tbody>
<tr>
<td>Subject:</td>
<td>Contract with HDR Engineering of Spokane, WA, for a Biosolids Incineration Feasibility Study</td>
</tr>
<tr>
<td>Date:</td>
<td>26 Feb 2018</td>
</tr>
<tr>
<td>Contact (email &amp; phone):</td>
<td>Lars Hendron <a href="mailto:lhendron@spokanecity.org">lhendron@spokanecity.org</a> 625-4645</td>
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<td>City Council Sponsor:</td>
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<tr>
<td>Executive Sponsor:</td>
<td></td>
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<td>Committee(s) Impacted:</td>
<td>PIES</td>
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<tr>
<td>Type of Agenda item:</td>
<td># Consent       # Discussion       # Strategic Initiative</td>
</tr>
<tr>
<td>Alignment: (link agenda item to guiding document – i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan)</td>
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<tr>
<td>Strategic Initiative:</td>
<td>This Biosolids Incineration Feasibility Study will evaluate the technical and regulatory feasibility of incinerating RPWRF biosolids at WTE rather than land-applying them on farm fields. It supports Innovative Infrastructure regarding “Optimize Public Assets” and “Resiliency.”</td>
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<tr>
<td>Deadline:</td>
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<tr>
<td>Outcome: (deliverables, delivery duties, milestones to meet)</td>
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**Background/History:**
RPWRF has land applied biosolids on farm fields north and west of Spokane since the early 1980s. Challenges related to land application have increased in recent years, in conjunction with growing concerns about PCBs and other pollutants contained in biosolids. This study to evaluate the technical and regulatory feasibility of incinerating biosolids at the City’s WTE plant is the first step toward resolving these concerns.

HDR Engineering was selected from among three firms via RFQ 4400-17 to perform this Feasibility Study. RPWRF and WTE staff, with input from Spokane County, negotiated the scope, schedule, and budget. The Study will include conducting a regulatory review; characterizing RPWRF biosolids, and investigating incineration approaches and impacts to WTE Operations. If the concept is found to be generally feasible, HDR will also look into transporting/handling/receiving RPWRF biosolids, and the possibility of also incinerating biosolids from the County’s plant. The findings will be presented in a final report.

The Study is expected to cost about $125,000. The City and County share costs related to RPWRF, such that the County will pay approximately 30%-40% of the actual cost.

Design and construction of any resulting capital project would be procured competitively.
**Executive Summary:**
- Applying RPWRF’s biosolids on farm fields is becoming problematic
- This Biosolids Incineration Feasibility Study will evaluate an alternative to land application
- The Feasibility Study budget is about $125,000
- Spokane County will pay about 30%-40% of the actual cost
- The City’s share is funded by Sewer Rates
- The Study is scheduled to be completed in late 2018
- A Management Reserve of 10% is requested

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<th>Budget Impact:</th>
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<td>Known challenges/barriers:</td>
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</tbody>
</table>
**Briefing Paper**

**Public Infrastructure, Environment and Sustainability Committee**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works Division; Solid Waste Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject:</td>
<td>Extension of Contract for Groundwater Monitoring and Reporting at the Northside and Southside Landfills</td>
</tr>
<tr>
<td>Date:</td>
<td>February 26, 2018</td>
</tr>
<tr>
<td>Contact (email &amp; phone):</td>
<td>David Paine, <a href="mailto:dpaine@spokanecity.org">dpaine@spokanecity.org</a>, Ext. 6878</td>
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<tr>
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<tr>
<td>Executive Sponsor:</td>
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<tr>
<td>Type of Agenda item:</td>
<td>☒ Consent  ☐ Discussion  ☐ Strategic Initiative</td>
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<tr>
<td>Alignment: (link agenda item to guiding document – i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan)</td>
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<tr>
<td>Strategic Initiative:</td>
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<td>Deadline:</td>
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<tr>
<td>Outcome: (deliverables, delivery duties, milestones to meet)</td>
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</tbody>
</table>

**Background/History:**

The City’s Northside Landfill Open Municipal Solid Waste (MSW) Cell, the Northside Landfill Closed Cell, and the Southside Landfill Closed Cell each have unique groundwater monitoring plans as required by Chapter 18.220 RCW, WAC 173-351-400(2)(f), WAC 173-304 and the associated solid waste permits. The City issued Request for Qualifications #4304-16 for Groundwater Monitoring Data Analysis and Report Writing Services in 2017. Responses were received from Geo Engineers, Cascade Earth Sciences, and CH2M, which are all local companies.

After review of the responses by the selection committee, it was determined that CH2M Hill was the most qualified respondent, and a contract was awarded for these services in 2017. This is the first of 4 extensions of the contract.

**Executive Summary:**

- This is the first of four extensions as specified in RFQ #4304-16.
- Extension term is March 10, 2018 to March 9, 2019.
- Start date of contract adjusted to allow for completion of prior year annual report and for work to begin at a reasonable time on the following year first quarter report.
- Data management and report writing services to include quarterly and annual reports for 2018.
- The cost of the contract for this extension is $49,771.00.
- Reporting required for compliance with solid waste permits.
<table>
<thead>
<tr>
<th><strong>Budget Impact:</strong></th>
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<tbody>
<tr>
<td><strong>Approved in current year budget?</strong></td>
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<tr>
<td><strong>Annual/Reoccurring expenditure?</strong></td>
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<tr>
<td>If new, specify funding source:</td>
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<tr>
<td><strong>Other budget impacts: (revenue generating, match requirements, etc.)</strong></td>
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<tr>
<th><strong>Operations Impact:</strong></th>
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<td><strong>Consistent with current operations/policy?</strong></td>
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<td><strong>Requires change in current operations/policy?</strong></td>
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<tr>
<td>Specify changes required:</td>
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<tr>
<td><strong>Known challenges/barriers:</strong></td>
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### Briefing Paper

**Committee Name**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works Division; Solid Waste Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject:</strong></td>
<td>Mechanical Repairs at the Waste to Energy Facility</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>February 26, 2018</td>
</tr>
<tr>
<td><strong>Contact (email &amp; phone):</strong></td>
<td>David Paine, <a href="mailto:dpaine@spokanecity.org">dpaine@spokanecity.org</a>, 625-6878</td>
</tr>
<tr>
<td><strong>City Council Sponsor:</strong></td>
<td></td>
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<tr>
<td><strong>Executive Sponsor:</strong></td>
<td></td>
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<tr>
<td><strong>Committee(s) Impacted:</strong></td>
<td>Public Infrastructure, Environment and Sustainability Committee</td>
</tr>
<tr>
<td><strong>Type of Agenda item:</strong></td>
<td>☒ Consent ☐ Discussion ☐ Strategic Initiative</td>
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</tbody>
</table>

| **Alignment:** (link agenda item to guiding document – i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan) | |
| **Strategic Initiative:** | |
| **Deadline:** | |
| **Outcome:** (deliverables, delivery duties, milestones to meet) | |

**Background/History:**
The necessary scheduled and emergency maintenance work at the WTE requires specialized millwright skills. In response to RFB #4337-17, on March 13, 2017, the City received bids from contractors qualified to perform grate module replacement and grate module inspections and repairs on Von Roll Type R-10046 grates in accordance with manufacturer’s specifications. Knight Construction & Supply, Inc., which is a local business, was the only bidder. This is the first of 4 extensions to OPR 2017-0257 which runs from April 1, 2017 through March 31, 2018.

**Executive Summary:**
- First of 4 extensions to OPR 2017-0257
- The term of this extension shall run from April 1, 2018 through March 31, 2019.
- Cost of the extension for 2018 is $1,800,000 including taxes.
- Contractor to provide mechanical repairs at the City’s Waste to Energy Facility per RFB #4337-17.
- 2018 labor rates increased to reflect the increase in costs from the Washington State mandated sick pay requirement.

**Budget Impact:**
- Approved in current year budget? ☒ Yes ☐ No ☐ N/A
- Annual/Reoccurring expenditure? ☒ Yes ☐ No ☐ N/A
- If new, specify funding source: |
- Other budget impacts: (revenue generating, match requirements, etc.) |

**Operations Impact:**
- Consistent with current operations/policy? ☒ Yes ☐ No ☐ N/A
- Requires change in current operations/policy? ☐ Yes ☒ No ☐ N/A
- Specify changes required: |
- Known challenges/barriers: |
**Background/History:** During scheduled and emergency outages at the WTEF, scaffolding must be placed in the boilers to allow safe access for repairs. Bids for scaffolding services for the WTEF were solicited under RFB 4308-16. Safeway Services, LLC., of Spokane Valley, was the only bidder. Safway Services, LLC, was awarded the contract and provided this service from April 1, 2017 through March 31, 2018 for $300,000.00 excluding taxes, with the option of four additional one year extensions. This is #1 of 4 extensions with Safway Services, LLC. for another $300,000.00 which will run from April 1, 2018 through March 31, 2019.

**Executive Summary:**
- Contract to provide scaffolding for two scheduled outages and emergency outages as required.
- Scaffolding is required for safe access during repairs to the boilers.
- This is extension #1 of 4, as specified in the RFB, running from April 1, 2018 through March 31, 2019.
- Annual cost of contract is $300,000.00 excluding taxes.
- 2018 billable rates include a 5% increase due to the new sick leave requirements implemented in Washington State in 2018.
- This is a time and materials contract with all labor being subject to WA State prevailing wage regulations.

**Budget Impact:**
- Approved in current year budget?  **☒ Yes ☐ No ☐ N/A**
- Annual/Reoccurring expenditure?  **☒ Yes ☐ No ☐ N/A**

If new, specify funding source:
Other budget impacts: (revenue generating, match requirements, etc.)

**Operations Impact:**
- Consistent with current operations/policy?  **☒ Yes ☐ No ☐ N/A**
- Requires change in current operations/policy?  **☐ Yes ☒ No ☐ N/A**

Specify changes required:
Known challenges/barriers:
**Briefing Paper**  
**Public Infrastructure, Environment, and Sustainability**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works and Utilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subject:</strong></td>
<td>Final Contract Extension with Evoqua Water Technologies to supply Bioxide®</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>2/26/18</td>
</tr>
<tr>
<td><strong>Contact (email &amp; phone):</strong></td>
<td>Michael F. Coster, Plant Manager 625-4640 <a href="mailto:mcoster@spokanecity.org">mcoster@spokanecity.org</a></td>
</tr>
<tr>
<td><strong>City Council Sponsor:</strong></td>
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<tr>
<td><strong>Executive Sponsor:</strong></td>
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<tr>
<td><strong>Type of Agenda item:</strong></td>
<td>☑ Consent ☐ Discussion ☐ Strategic Initiative</td>
</tr>
<tr>
<td><strong>Alignment:</strong></td>
<td>(link agenda item to guiding document – i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan) Strategic Plan</td>
</tr>
<tr>
<td><strong>Strategic Initiative:</strong></td>
<td>Innovative Infrastructure – Affordable Utility Rates</td>
</tr>
<tr>
<td><strong>Outcome:</strong></td>
<td>Council approval of a final contract extension with Evoqua Water Technologies to supply and deliver Bioxide®</td>
</tr>
<tr>
<td><strong>Background/History:</strong></td>
<td>Bioxide® is a patented, non-hazardous chemical used to reduce and control odors and corrosion caused by the formation of sulfides. The department uses this chemical at the Northwest Terrace Lift Station. Based on current usage, Wastewater Management estimates it will use approximately 65,000 gallons of Bioxide® per year at $2.61 per gallon, for a total cost of $184,405.55, tax included. This extension is at no cost increase from the current price and is the third and final extension.</td>
</tr>
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</table>

**Executive Summary:**

- **Impact**
  The Northwest Terrace pump station discharges to a pressure main having a long residence time created by diameter and length. When raw sewage enters the pressure main it decomposes. During the decomposition process, bacteria consume oxygen present in the raw sewage, stripping oxygen from nitrogen and sulfur compounds, creating corrosive and odorous substances such as Hydrogen Sulfide (H2S). Bioxide® provides a new source of oxygen, limiting creation of the corrosive and odorous substances. Bioxide® has been used to control odors and prevent corrosion at Northwest Terrace for more than fifteen years.

- **Action**
  Wastewater Management is seeking Council approval extend the contract for an additional year.

- **Funding**
  Funding for this purchase is provided in the Wastewater Management budget.

**Budget Impact:**

- **Approved in current year budget?** ☑ Yes ☐ No ☐ N/A
- **Annual/Reoccurring expenditure?** ☑ Yes ☐ No ☐ N/A
- **If new, specify funding source: Department**
- **Other budget impacts: (revenue generating, match requirements, etc.)**

**Operations Impact:**

- **Consistent with current operations/policy?** ☑ Yes ☐ No ☐ N/A
| Requires change in current operations/policy? | □ Yes | □ No | □ N/A |
| Specify changes required:                 |      |      |      |
| Known challenges/barriers:               |      |      |      |
**Briefing Paper**

**Public Infrastructure, Environment, and Sustainability**

**Division & Department:** Public Works and Utilities

**Subject:** Award of BID #4438-18 to Polydyne, Inc. (Riceboro, GA) who is the lowest responsive bidder who met our 7-day delivery requirements to supply approximately 210,600 lbs. of dry polymer/yr. at a cost of $1.59/lb. and 92,000 lbs. of liquid polymer/yr. at a cost of $0.85/lb. for a total annual contract cost of $413,054.00 plus sales tax for the period March 1, 2018 to February 29, 2021. Total cost including 8.8% Sales tax $449,402.75.

**Date:** 2/26/18

**Contact (email & phone):** Michael F. Coster, Plant Manager 625-4640 mcoster@spokanecity.org

**City Council Sponsor:**

**Executive Sponsor:**

**Committee(s) Impacted:**

**Type of Agenda Item:**  
- [ ] Consent  
- [ ] Discussion  
- [ ] Strategic Initiative

**Alignment:** Strategic Plan

**Strategic Initiative:** Innovative Infrastructure – Affordable Utility Rates

**Deadline:**

**Outcome:** Council approval to award contract with Polydyne, Inc. (Riceboro, GA) to supply dry and liquid polymer to Riverside Park Water Reclamation Facility.

**Background/History:** Chemical organic polymer flocculent (polymer) is used in solids thickening and dewatering processes, as well as in the primary clarifiers, at the Riverside Park Water Reclamation Facility. The Wastewater Management Department has recently received an offer from Polydyne Inc., to supply dry polymer at a price per pound of $1.59 and liquid polymer at a price per pound of $0.85. The current vendor has supplied this petroleum-based product for more than fifteen years.

This is a three-year contract tentatively scheduled to begin on March 1, 2018 and to end on February 29, 2021. The contract may be extended for two (2) additional one-year contract periods with the total contract period not to exceed five (5) years.

**Executive Summary:**

- **Impact**
  In order to function as a wastewater treatment and water recycling facility, it is necessary to add polymer
  - **Action**
  Wastewater Management is seeking Council approval to award the contract with Polydyne Inc., GA to supply polymer to the Water Reclamation Facility.
  - **Funding**
  Funding for this purchase is provided in the Wastewater Management budget, and revenue is derived from sewer rates.

**Budget Impact:**

Approved in current year budget?  
- [ ] Yes  
- [ ] No  
- [ ] N/A
### Annual/Reoccurring expenditure?
- Yes
- No
- N/A

If new, specify funding source: Department

Other budget impacts: (revenue generating, match requirements, etc.)

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<thead>
<tr>
<th><strong>Operations Impact:</strong></th>
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<td>No</td>
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<td>Specify changes required:</td>
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<tr>
<td>Known challenges/barriers:</td>
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### Briefing Paper
#### PIES

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Engineering Services; Public Works</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subject:</td>
<td>Project No. 2015132 - Greene &amp; Ermina Intersection Signalization</td>
</tr>
<tr>
<td>Date:</td>
<td>February 26, 2018</td>
</tr>
<tr>
<td>Contact (email &amp; phone):</td>
<td>Dan Buller (<a href="mailto:dbuller@spokanecity.org">dbuller@spokanecity.org</a>, 625-6391)</td>
</tr>
<tr>
<td>City Council Sponsor:</td>
<td></td>
</tr>
<tr>
<td>Executive Sponsor:</td>
<td>Scott Simmons</td>
</tr>
<tr>
<td>Committee(s) Impacted:</td>
<td>PIES</td>
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<tr>
<td>Type of Agenda Item:</td>
<td>☒ Consent  ☐ Discussion  ☐ Strategic Initiative</td>
</tr>
<tr>
<td>Alignment: (link agenda item to guiding document – i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan)</td>
<td>The project is in the 6 Year Street Plan and is consistent Chief Garry Park neighborhood plan.</td>
</tr>
<tr>
<td>Strategic Initiative:</td>
<td>Innovative Infrastructure</td>
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<tr>
<td>Deadline:</td>
<td></td>
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<tr>
<td>Outcome: (deliverables, delivery duties, milestones to meet)</td>
<td>Approval of construction contracts (once bids are opened and recommendation to award submitted to council for approval)</td>
</tr>
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#### Background/History:
- The Chief Garry neighborhood council requested the city install a safe means of crossing Greene St. for community college students accessing homes and apartments directly west of the community college.
- City staff worked with STA to fund a traffic signal which both permits STA buses to enter/exit the community college from Greene St. while simultaneously providing a signal for a crosswalk.
- City pays engineering costs with traffic calming and arterial street funds while STA pays construction costs.
- City staff coordinated the construction work with Community Colleges of Spokane staff.

#### Executive Summary:
- This project will provide a signal at Greene & Ermina which will include crosswalks and with the construction funded by STA.
- Bid opening is scheduled for February 26 after which time staff will forward to council a recommendation for award.
- Construction to begin in the spring of 2018.

#### Budget Impact:
- Approved in current year budget? ☒ Yes  ☐ No  ☐ N/A
- Annual/Reoccurring expenditure? ☐ Yes  ☒ No  ☐ N/A
- If new, specify funding source:
- Other budget impacts: (revenue generating, match requirements, etc.)

#### Operations Impact:
- Consistent with current operations/policy? ☒ Yes  ☐ No  ☐ N/A
- Requires change in current operations/policy? ☐ Yes  ☒ No  ☐ N/A
- Specify changes required:
- Known challenges/barriers:
### Briefing Paper

**Public Infrastructure, Environment & Sustainability Committee**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works Division, Integrated Capital Management</th>
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<tbody>
<tr>
<td><strong>Subject:</strong></td>
<td>Utility Design Agreement with WSDOT for City Utility Designs in preparation for the North Spokane Corridor</td>
</tr>
<tr>
<td><strong>Date:</strong></td>
<td>2/26/2018</td>
</tr>
<tr>
<td><strong>Contact (email &amp; phone):</strong></td>
<td>Kevin Picano, <a href="mailto:kpicanco@spokanecity.org">kpicanco@spokanecity.org</a>, 625-6088</td>
</tr>
<tr>
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<td>Public Infrastructure, Environment &amp; Sustainability</td>
</tr>
<tr>
<td><strong>Type of Agenda item:</strong></td>
<td><img src="Check" alt="Consent" />, <img src="Check" alt="Discussion" />, <img src="Check" alt="Strategic Initiative" /></td>
</tr>
</tbody>
</table>
| **Alignment:** | (link agenda item to guiding document – i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan)  
North Spokane Corridor – City utility design agreement to prepare for relocating City utilities before construction of the NSC. |
| **Strategic Initiative:** |  |
| **Deadline:** |  |
| **Outcome:** | (deliverables, delivery duties, milestones to meet) | Precedes taking this agreement for approval at future City Council meeting. |

**Background/History:** The upcoming construction of the North Spokane Corridor requires that certain City utility systems (Water, Sewer, Storm water) be relocated and updated to accommodate the construction of the new transportation facility.

**Executive Summary:**
- Utility Design and Engineering Agreement with the Washington State Department of Transportation (WSDOT) where WSDOT will pay the City an estimated amount of $241,110.00 to have the City create engineering designs to prepare for removal, replacement or construction of City utilities as needed along Wellesley Avenue between Haven Street to approximately Ferrall Street.
- The Wellesley interchange and freeway ramps require regrading Wellesley Avenue to accommodate new railway bridges. This requires lowering and relocating City utilities.
- When these improvements will be constructed and by whom is still to be determined.

**Budget Impact:**
- **Approved in current year budget?** ![Yes](Check), ![No](Check), ![N/A](Check)  
- **Annual/Reoccurring expenditure?** ![Yes](Check), ![No](Check), ![N/A](Check)  
- **If new, specify funding source:** WSDOT  
- **Other budget impacts:** (revenue generating, match requirements, etc.)

**Operations Impact:**
- **Consistent with current operations/policy?** ![Yes](Check), ![No](Check), ![N/A](Check)  
- **Requires change in current operations/policy?** ![Yes](Check), ![No](Check), ![N/A](Check)  
- **Specify changes required:**  
- **Known challenges/barriers:**
This Utility Preliminary Engineering Agreement, herein “Agreement,” is made and entered into between Washington State Department of Transportation, herein "WSDOT," and the above named Utility, herein "UTILITY."

WHEREAS, WSDOT is planning the construction or improvement of the State Route as shown above for the listed WSDOT project, and in connection therewith, it is necessary to remove, relocate or construct certain UTILITY facilities, and

WHEREAS, WSDOT is responsible for the cost of the preliminary engineering for the UTILITY’s facilities that are located pursuant to a documented ownership interest in real property, such as an easement, fee title, or court finding of prescriptive right, which is impacted by the WSDOT project, but WSDOT is not responsible for preliminary engineering costs associated with facility betterments, and

WHEREAS, it is deemed to be in the best public interest for the UTILITY to develop the preliminary engineering, including the preparation of plans, specifications and cost estimate, herein the "Work," for the removal, relocation or construction of the UTILITY’s facilities as part of WSDOT’s project, and

WHEREAS, the WSDOT and the UTILITY intend to enter into a Utility Construction Agreement to cover the actual construction, relocation, and/or removal of the UTILITY’s facilities,

NOW, THEREFORE, pursuant to chapter RCW 47.10.210 and chapter 47.44 RCW, and in consideration of the terms, conditions, covenants, and performances contained herein, as well as the attached Exhibits which are incorporated and made a part hereof,

IT IS MUTUALLY AGREED AS FOLLOWS:

1. PLANS, SPECIFICATIONS, AND COST ESTIMATES

1.1 Program Guide: Utility Relocation and Accommodation on Federal Aid Highway Projects shall determine and establish the definitions and applicable standards and payments under this Agreement. By this reference, this document is adopted and made a part of this Agreement as if fully contained herein.
1.2 Betterment: A betterment is any improvement to the UTILITY’s facilities not required by code, regulation, standard industry practice, or any other applicable regulation. If any of the Work constitutes a betterment as defined in the Program Guide: Utility Relocation and Accommodation on Federal Aid Highway Projects, the UTILITY is solely responsible for the preliminary engineering costs of such improvement.

1.3 The UTILITY agrees to perform the preliminary engineering, including the preparation of plans, specifications and cost estimates (PS&E), herein the “Work,” for the removal, relocation, and/or construction of the UTILITY’s facilities impacted by the WSDOT’s project. Should the Work include betterments to the facilities, the UTILITY shall identify such betterments for WSDOT review.

1.4 The UTILITY agrees to provide WSDOT a copy of its PS&E, including the identification of betterments, if any. WSDOT will review for acceptance of the PS&E to ensure that it is in compliance with WSDOT requirements and standards prior to incorporation it into WSDOT project. The Parties agree to comply with the document submission and review process as identified in Exhibit A, Scope of Work.

1.5 If the UTILITY is not adequately staffed or equipped to perform all of the Work required herein, the UTILITY may have all or part of the Work performed by consultant(s) under a contract let by the UTILITY or have the Work performed under an ongoing contract with a UTILITY consultant. UTILITY consultant(s) shall be in good standing with WSDOT, and the UTILITY shall provide to WSDOT for WSDOT review a cost estimate for the Work to be performed by the UTILITY’s consultant(s).

2. PAYMENT

2.1 WSDOT is responsible for all costs of the Work, excluding all betterment work, for the UTILITY’s facilities that are located pursuant to a documented ownership interest in real property, such as an easement, fee title, or court finding of prescriptive right, which are impacted by WSDOT project, as shown in Exhibits A, B, and C. Exhibit B, Cost Estimate, contains an itemized cost estimate of WSDOT-responsible costs for the Work to be performed by the UTILITY.

2.2 WSDOT, in consideration of the faithful performance of the Work to be done by the UTILITY, agrees to reimburse the UTILITY for the actual direct and related indirect cost of the Work, excluding all betterment work, for which WSDOT is responsible as defined in Exhibits A, B, and C. The UTILITY agrees to invoice WSDOT and provide supporting documentation for all charges, and WSDOT agrees to pay the UTILITY within thirty (30) days of receipt of an invoice. Payments shall not be more frequent than one per month. A partial payment will not constitute agreement as to the appropriateness of any item and that, at the time of final invoice; the Parties will resolve any discrepancies.

2.3 The UTILITY shall submit a final billing to WSDOT within 90 calendar days following completion of the Work.

2.4 State Fiscal Year End Closure Requirements (chapter 43.88 RCW): Any invoices for work performed between July 1 and June 30 of any given year must be submitted to WSDOT no later than July 6th (or the first business day after the July 4th holiday) of the same calendar year. If the UTILITY is unable to provide an invoice for such work by this date, an estimate of all remaining payable costs owed by WSDOT for work performed by the UTILITY prior to July 1 must be submitted to WSDOT no later than July 19th of the same year in order for WSDOT to accrue the amount necessary for payment. The UTILITY will thereafter submit any remaining invoices to the STATE for such work as soon as possible. Failure to comply with these requirements may result in delayed payment. WSDOT shall not be required to pay to the UTILITY late payment fees, interest, or incidental costs incurred by the UTILITY or any other costs related to a delayed payment if the UTILITY fails to comply with the invoice requirements of this Section.
3. CHANGE IN WORK OR COST INCREASE

3.1 Increase in Cost: In the event unforeseen conditions require an increase in the cost of the Work for which WSDOT is responsible as set forth in Exhibit B, Cost Estimate (including sales tax, engineering, and contingencies), by more than 25%, the Parties agree to amend Exhibit B to include such cost increase. Should an increase in the cost of the Work be required, the UTILITY shall immediately notify WSDOT in writing, and the UTILITY shall not perform any Work in excess that set forth in Exhibit B until such time as Exhibit B has been amended in writing.

3.2 Should it be necessary to modify the Scope of Work, the UTILITY agrees to immediately notify WSDOT of all proposed changes, and WSDOT agrees to provide written notice of its acceptance or rejection of the change(s), in writing, within Fifteen (15) working days.

4. RIGHT OF ENTRY

4.1 WSDOT hereby grants to the UTILITY a right of entry onto all lands in which it has an interest for the Work as defined in Exhibits A and C. Upon completion and acceptance of the Work, this right of entry shall terminate except as otherwise provided in Section 5.4.  

4.2 WSDOT agrees to obtain rights of entry, if needed, upon all privately owned lands necessary to perform the Work. WSDOT also agrees to obtain all necessary permissions for the UTILITY to enter upon such lands, if required, for the duration of this Agreement. WSDOT agrees to provide the rights of entry and applicable permissions to the UTILITY within twenty (20) calendar days of entering into this Agreement. Upon completion of the Work on such lands, the rights of entry and permissions shall terminate, except as otherwise provided in Section 5.4.

5. GENERAL PROVISIONS

5.1 Indemnification: The UTILITY shall indemnify and hold harmless WSDOT and its agents, employees, and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against WSDOT and its agents, employees and/or officers, arising out of, in connection with, or incident to the actual Work performed by the UTILITY pursuant to the terms of this Agreement. Provided, however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) the STATE, its agents, employees, and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the intentional or negligent acts or omissions of the UTILITY, and Provided further, that nothing herein shall require the UTILITY to hold harmless or defend WSDOT, its agents, employees, and/or officers from any claims arising from the sole negligence of WSDOT, its agents, employees, and/or officers. This indemnification shall survive any termination of this Agreement.
5.2 WSDOT shall indemnify and hold harmless the UTILITY and its agents, employees, and/or officers from and shall process and defend at its own expense any and all claims, demands, suits at law or equity, actions, penalties, losses, damages (both to persons and/or property), or costs, of whatsoever kind or nature, brought against the UTILITY and its agents, employees and/or officers, arising out of, in connection with, or incident to the actual Work performed by WSDOT pursuant to the terms of this Agreement. Provided, however, that if such claims are caused by or result from the concurrent negligence of (a) the UTILITY and (b) WSDOT, its agents, employees, and/or officers, or involves those actions covered by RCW 4.24.115, this indemnity provision shall be valid and enforceable only to the extent of the intentional or negligent acts or omissions of WSDOT, and Provided further, that nothing herein shall require WSDOT to hold harmless or defend the UTILITY, its agents, employees, and/or officers from any claims arising from the sole negligence of the UTILITY, its agents, employees, and/or officers. This indemnification shall survive any termination of this Agreement.

5.3 Disputes: If a dispute occurs between the UTILITY and WSDOT at any time during the performance of the Work pursuant to this Agreement, the Parties agree to negotiate at the management level to resolve any issues. Should such negotiations fail to produce a satisfactory resolution; the Parties agree to enter into arbitration and/or mediation before proceeding to any other legal remedy. Each Party shall be responsible for its own fees and costs. The Parties agree to equally share in the cost of a mediator or arbiter.

5.4 Venue: In the event that either Party to this Agreement deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement, the Parties agree that any such action or proceedings shall be brought in the superior court situated in Spokane County, Washington unless filing in another county is required under any provision of the Revised Code of Washington. Further, the Parties agree that each shall be responsible for its own attorney's fees and costs.

5.5 Termination: Neither WSDOT nor the UTILITY may terminate this Agreement without the concurrence of the other Party. Termination shall be in writing and signed by both Parties.

5.6 Amendments: This Agreement may be amended by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless put in writing and signed by persons authorized to bind each of the Parties.

5.7 Independent Contractor: Both Parties shall be deemed independent contractors for all purposes, and the employees of each Party and any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be the employees of the other Party.

5.8 Audit and Records: During the progress of the Work and for a period of not less than six (6) years from the date of final payment, the UTILITY shall maintain the records and accounts pertaining to the Work and shall make them available during normal business hours and as often as necessary, for inspection and audit by the State of Washington, and/or Federal Government and copies of all records, accounts, documents or other data pertaining to the Work will be furnished upon request. The requesting Party shall pay the cost of copies produced. If any litigation, claim or audit is commenced, the records and accounts along with supporting documentation shall be retained until any litigation, claim or audit finding has been resolved even though such litigation, claim or audit continues past the six-year retention period.

5.9 Working Days: Working days for this Agreement are defined as Monday through Friday, excluding Washington State holidays per RCW 1.16.050.
IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the Party's date last signed below.

WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION

By: ________________________________
Print: Mike Gribner, P.E. 
Title: Regional Administrator
Date: ______________________________

CITY OF SPOKANE
PUBLIC WORKS DEPARTMENT

By: ________________________________
Print: ______________________________
Title: ______________________________
Date: ______________________________

APPROVED AS TO FORM

By: ________________________________
Mark Schumock
Assistant Attorney General
Date: ______________________________

APPROVED AS TO FORM

By: ________________________________
Print Name: ______________________________
City Attorney
Date: ______________________________

CLERKS SEAL
Scope of Work

The Scope of Work is for the performance of preliminary engineering, including the preparation of plans, specifications and cost estimates (PS&E) for the removal and replacement or construction of UTILITY’s utilities within or near the SR 395, North Spokane Corridor (NSC Project), which includes BNSF Railroad realignment, from Francis Ave. to Upriver Dr. within the City of Spokane.

The NSC Project requires the removal, replacement or construction of water, sewer and storm water facilities along Wellesley Ave. from east of Haven St. to approximately Ferrall St.

1. The UTILITY will perform the PS&E required for removal, replacement or construction of UTILITY-owned water transmission and distribution lines, manholes, valves, side connections and associated facilities impacted by the construction of the proposed NSC project.

2. The UTILITY will perform the PS&E required for removal, replacement or construction of UTILITY-owned sewer and storm water lines, manholes, side connections and associated facilities impacted by the construction of the proposed NSC project.

3. The STATE will provide electronic copies of the plan sheets for the proposed NSC Project and BNSF Railroad alignment, alignment profiles, drainage, and illumination sheets for the STATE projects for the UTILITY’s use in preparation of the UTILITY’s PS&E.
## UTB 1292

### Exhibit B

#### Task 1 - Survey and Preparation of Base Map

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Principal</th>
<th>Engineer</th>
<th>Technician</th>
<th>Clerical</th>
<th>Other</th>
<th>Costs</th>
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</thead>
<tbody>
<tr>
<td>Research survey control, field topo survey</td>
<td>$135.00</td>
<td>$120.00</td>
<td>$85.00</td>
<td>$60.00</td>
<td></td>
<td></td>
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<tr>
<td>Coordination with STATE in regards to information provided by STATE</td>
<td>2</td>
<td>12</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Contact existing utilities and obtain available location information and incorporate</td>
<td>2</td>
<td>12</td>
<td>80</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Create base map from information supplied by STATE</td>
<td>2</td>
<td>12</td>
<td>120</td>
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<tr>
<td>Identify additional field or survey information needed for base map</td>
<td>2</td>
<td>2</td>
<td>12</td>
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</tbody>
</table>

**Task 1 Hours**

- Research survey control, field topo survey: 4 hours
- Coordination with STATE in regards to information provided by STATE: 12 hours
- Contact existing utilities and obtain available location information and incorporate: 12 hours
- Create base map from information supplied by STATE: 12 hours
- Identify additional field or survey information needed for base map: 12 hours

**Total Task 1 Costs:** $1,620.00

#### Task 2 - Project Management, Coordination, Prel. Eng., Design, Plans, and Specifications

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Principal</th>
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<th>Technician</th>
<th>Clerical</th>
<th>Other</th>
<th>Costs</th>
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<td>Project Management and Coordination with STATE</td>
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<td>80</td>
<td>50</td>
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<td>Coordination w/ BNSF, BNSF Permitting, preparation of exhibits for permits</td>
<td>2</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Meetings and coordination with Utilities</td>
<td>10</td>
<td>40</td>
<td>40</td>
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<td>Public outreach, coordination w/ adjacent property</td>
<td>12</td>
<td>40</td>
<td>24</td>
<td>4</td>
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<tr>
<td>Environmental permitting</td>
<td>4</td>
<td>24</td>
<td>10</td>
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<tr>
<td>Preliminary Horizontal and Vertical profile design</td>
<td>4</td>
<td>40</td>
<td>80</td>
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<tr>
<td>Shoring designand details</td>
<td>12</td>
<td>120</td>
<td>160</td>
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<tr>
<td>On site verification of existing utilities and field measurements</td>
<td>8</td>
<td>40</td>
<td>60</td>
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<tr>
<td>Alignment and vertical design, connection details</td>
<td>4</td>
<td>40</td>
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<tr>
<td>Prepare Plan Sheets</td>
<td>4</td>
<td>120</td>
<td>300</td>
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<td>Prepare Specifications</td>
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<td>50</td>
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<td>90% Design review</td>
<td>4</td>
<td>12</td>
<td>16</td>
<td>2</td>
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<tr>
<td>Final site visit &amp; review</td>
<td>4</td>
<td>6</td>
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<tr>
<td>Internal review</td>
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<tr>
<td>Final plan revisions</td>
<td>30</td>
<td>100</td>
<td>8</td>
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<tr>
<td>Prepare Bid Schedule &amp; Construction Estimate</td>
<td>16</td>
<td>20</td>
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</table>

**Task 2 Hours**

- Project Management and Coordination with STATE: 96 hours
- Coordination w/ BNSF, BNSF Permitting, preparation of exhibits for permits: 674 hours
- Meetings and coordination with Utilities: 1012 hours
- Public outreach, coordination w/ adjacent property: 60 hours

**Total Task 2 Costs:** $12,960.00

#### Task 3 - Bid/Award Period Assistance

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Principal</th>
<th>Engineer</th>
<th>Technician</th>
<th>Clerical</th>
<th>Other</th>
<th>Costs</th>
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<tr>
<td>Bid Period questions and answers</td>
<td>4</td>
<td>20</td>
<td>16</td>
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<tr>
<td>Pre Bid Meeting</td>
<td>4</td>
<td>2</td>
<td></td>
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<td></td>
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<tr>
<td>Bid Analysis / Contract Award</td>
<td>2</td>
<td></td>
<td>2</td>
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<td></td>
<td></td>
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<tr>
<td>Various UTILITY Bidding Costs (Administration, Printing, etc.)</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$100.00</td>
</tr>
</tbody>
</table>

**Task 3 Hours**

- Bid Period questions and answers: 4 hours
- Pre Bid Meeting: 4 hours
- Bid Analysis / Contract Award: 2 hours

**Total Task 3 Costs:** $540.00

#### City of Spokane Principle Engineer

- $2,160.00

#### Geotechnical Engineering (Consultant)

- $18,000

**Total Agreement estimated cost:** $241,110.00
Exhibit C:
NSC - Wellesley Ave. Utility Relocations
Haven to Ferrall

February 8, 2018

Lines
- Limits of Work
- Parcel

1:4,514
# Briefing Paper  
**(Public Infrastructure, Environment, & Sustainability Committee)**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works Division / Integrated Capital Management</th>
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<tbody>
<tr>
<td>Subject:</td>
<td>2018 Transportation Grant Opportunities</td>
</tr>
<tr>
<td>Date:</td>
<td>2/26/18</td>
</tr>
<tr>
<td>Contact (email &amp; phone):</td>
<td><a href="mailto:bblankenagel@spokanecity.org">bblankenagel@spokanecity.org</a></td>
</tr>
<tr>
<td>City Council Sponsor:</td>
<td></td>
</tr>
<tr>
<td>Executive Sponsor:</td>
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<tr>
<td>Committee(s) Impacted:</td>
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<td>Type of Agenda item:</td>
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<td>Transportation</td>
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<td>Strategic Initiative:</td>
<td>Improving Streets</td>
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<td>Deadline:</td>
<td>March 30, 2018</td>
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<tr>
<td>Outcome:</td>
<td>Approve the list of transportation projects for grant applications in 2018</td>
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</table>

## Background/History:

2018 is a big year for transportation grants, as many of the grant opportunities are available this year. There are 4 State grant programs (RCO, WTSC, Ped/Bike Safety, and TIB) and 6 Federal grant programs (FMSIB, CMAQ, STBG, STBG Set-aside, HSIP, and Safe Routes) calling for applications.

The first source for project applications is the 6-Year Program. Other projects stem from maintenance needs and transportation plans; each of which is verified by their applicability to grant program goals.

## Executive Summary:

- 10 transportation grant programs open in 2018
- The attached list of projects will be the focus for grant applications

## Budget Impact:

Approved in current year budget?  ![Yes](#) ![No](#) ![N/A](#)  
Annual/Reoccurring expenditure?   ![Yes](#) ![No](#) ![N/A](#)  
If new, specify funding source:  Other budget impacts: Additional information here.

## Operations Impact:

Consistent with current operations/policy?  ![Yes](#) ![No](#) ![N/A](#)  
Requires change in current operations/policy? ![Yes](#) ![No](#) ![N/A](#)  
Specify changes required:

Known challenges/barriers:
<table>
<thead>
<tr>
<th>Project</th>
<th>In 6-Year?</th>
<th>Justification to apply</th>
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</thead>
<tbody>
<tr>
<td>Peaceful Valley Trail, Glover to CSO26</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Peaceful Valley Trail (original WWRP grant)</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Freya St from Wellesley to Francis</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>4th Sunset to Maple</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Napa St, Sprague to 2nd</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Millwood Trail, CT to Felts Field</td>
<td>Y</td>
<td></td>
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<tr>
<td>Driscoll Blvd, Alberta to Garland, Sidewalk infill</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>37th Latawa to Manito sidewalk infill</td>
<td>Y</td>
<td></td>
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<tr>
<td>Centennial Trail Gap at Summit Blvd</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Riverside Ave, Division to Bernard</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Riverside Ave, Bernard to Wall</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Riverside Ave, Wall to Monroe</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>TJ Meenach, Bridge to Northwest Blvd</td>
<td>Y</td>
<td></td>
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<tr>
<td>Thor &amp; Freya from Sprague to Hartson Concrete</td>
<td>Partially</td>
<td>Presently 17th to 3rd, extending impact to Sprague for Concrete work</td>
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<tr>
<td>Wellesley from Market to Havana</td>
<td>2/S Ord.</td>
<td>Ordinance bringing into program in 2018</td>
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<td>Assembly at Francis roundabout</td>
<td></td>
<td>Operational concerns meet CMAQ opportunity</td>
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<tr>
<td>Francis at Alberta</td>
<td></td>
<td>Operational concerns meet CMAQ opportunity</td>
</tr>
<tr>
<td>Wellesley at Maple</td>
<td></td>
<td>Operational concerns meet CMAQ opportunity</td>
</tr>
<tr>
<td>Spokane Falls Blvd, Post to Division</td>
<td></td>
<td>Prioritization, entering program in 2018</td>
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<tr>
<td>Havana St, Broadway to Sprague</td>
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<td>Prioritization, entering program in 2018</td>
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<td>Washington/Stevens Bridge Deck Rehab</td>
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<td>Bridge physical condition</td>
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<tr>
<td>Maple Bridge Deck Joints Rehab</td>
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<td>Bridge physical condition</td>
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<tr>
<td>Ben Burr at 2nd &amp; 3rd HAWKs</td>
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<td>Safety concerns expressed during design of trail; yet un-funded</td>
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<tr>
<td>North Bank Trail, Post St to Suspension Bridge STUDY</td>
<td></td>
<td>Stemming from interest during Post Bridge TS&amp;L and upcoming development actions</td>
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<tr>
<td>29th Ave crosswalks (lincoln heights)</td>
<td></td>
<td>Safety / collision history align with grant opportunity</td>
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<tr>
<td>Audubon Elementary - Belt and NW Blvd</td>
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<td>Safety / collision history align with grant opportunity</td>
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<tr>
<td>Thornton Murphy Pk path and x-ing improvement</td>
<td></td>
<td>Safety / collision history align with grant opportunity</td>
</tr>
<tr>
<td>Southeast Sports Complex pathway</td>
<td></td>
<td>Safety / collision history align with grant opportunity</td>
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<tr>
<td>Division &amp; Department:</td>
<td>Public Works and Utilities</td>
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<tr>
<td>------------------------</td>
<td>-----------------------------</td>
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<tr>
<td>Subject:</td>
<td>Resolution and contract for purchase of Huber Equipment and Parts</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td>2/26/18</td>
<td></td>
</tr>
<tr>
<td>Contact (email &amp; phone):</td>
<td>Michael F. Coster, Plant Manager 625-4640 <a href="mailto:mcoster@spokanecity.org">mcoster@spokanecity.org</a></td>
<td></td>
</tr>
<tr>
<td>City Council Sponsor:</td>
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<td>Committee(s) Impacted:</td>
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<tr>
<td>Type of Agenda item:</td>
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<tr>
<td>Alignment:</td>
<td><img src="#" alt="Link to guiding document - i.e., Master Plan, Budget, Comp Plan, Policy, Charter, Strategic Plan" /></td>
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<td>Strategic Initiative:</td>
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<tr>
<td>Deadline:</td>
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<td></td>
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<tr>
<td>Outcome:</td>
<td>Council approval of a sole source resolution to purchase, and have installed, replacement parts used to provide preliminary treatment screening of wastewater at Riverside Park Water Reclamation Facility.</td>
<td></td>
</tr>
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</table>

**Background/History:** The facility uses automated perforated plate screening systems to remove untreated debris from wastewater prior to full treatment. Such screening is necessary to prevent damage to subsequent treatment process equipment, as well as to achieve compliance with the State of Washington’s biosolids ‘recognizables’ regulations. Screen damage due to grit and rocks associated with the City’s Combined Sewer Overflow system is frequent and necessitates the replacement of unserviceable screen components. Huber perforated plate screens are only manufactured and distributed by Huber Technology, of Huntersville, NC. The total cost for these replacement parts and installation is $384,334.70, which includes sales tax and shipping. This equipment purchase is expected to provide three years of service.

**Executive Summary:**
- **Impact**
  These process components will allow the facility to maintain continuous compliance with regulatory requirements.
- **Action**
  Wastewater Management is seeking Council approval to purchase the replacement parts through a sole-source resolution from Huber Technology, Inc.
- **Funding**
  Funding for this purchase is provided in the Wastewater Management budget and revenue is derived from sewer bills.

**Budget Impact:**
- Approved in current year budget? ![Yes](#) ![No](#) ![N/A](#)
- Annual/Reoccurring expenditure? ![Yes](#) ![No](#) ![N/A](#)
- If new, specify funding source: Department
Other budget impacts: (revenue generating, match requirements, etc.)

**Operations Impact:**
- Consistent with current operations/policy?  
  - Yes  
  - No  
  - N/A
- Requires change in current operations/policy?  
  - Yes  
  - No  
  - N/A

Specify changes required:

Known challenges/barriers:
# Briefing Paper

**Public Infrastructure, Environment and Sustainability (PIES)**

<table>
<thead>
<tr>
<th>Division &amp; Department:</th>
<th>Public Works – Engineering Services</th>
</tr>
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<tbody>
<tr>
<td>Subject:</td>
<td>Design/Build Contract for Post Street Bridge</td>
</tr>
<tr>
<td>Date:</td>
<td>2/14/2018</td>
</tr>
<tr>
<td>Contact (email &amp; phone):</td>
<td>Mark Serbousek x6154</td>
</tr>
<tr>
<td>City Council Sponsor:</td>
<td>Councilmember Beggs</td>
</tr>
<tr>
<td>Executive Sponsor:</td>
<td>Scott Simmons</td>
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<td>Committee(s) Impacted:</td>
<td>PIES/Urban Experience</td>
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<td>Type of Agenda item:</td>
<td>□ Consent □ Discussion □ Strategic Initiative</td>
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<tr>
<td>Alignment:</td>
<td>This project is funded and approved in the City-Wide program. “This project meets 50 goals in Chapter 4 of the Comprehensive Plan. Specifically in TR 1-8 and TR 10.”</td>
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</table>
| Strategic Initiative:  | PIES - Repurposing of Public Property and Assets to Stimulate Private Investment – Leverage Riverfront Park Investments  
Urban Experience – Develop and Formalize World Class River Trail System |
| Deadline:              | N/A |
| Outcome:               | Award of Design/Build contract – April 2018 |

**Background/History:** In 2015 the City conducted a Type, Size and Location Study for the Post Street Bridge and established a preliminary budget in the City-Wide Capital Program. The bridge construction is funded with State, Federal and Local utility dollars. The City produced an RFP in late 2017 and will award a contract to the selected Design Build Team in March after State and Federal funding agency review.

**Executive Summary:**
The Design/Build contracting process will proceed as follows:

**Selection Process**
- February 12 – RFP responses received  
- February 21 – Team interviews (3 teams)  
- February 26 - Presentation of highest scoring Design/Build team to PIES Committee  
- End of February – Submit Preferred Design/Build proposal to funding agencies for approval  
- Mid-March – Receive approval to proceed from funding agencies

**Award**
- Late March – Submit Design/Build Contract for City Council Approval

**Design/Construction**
- April – August – Validation Phase for budget, scope and schedule  
- Late April – Early May – Public Process related to Structure Selection  
- July – Public Process related to Surface and Amenities  
- September – Start Final Design Phase  
- Winter 2018/9 – Begin Bridge Demolition
**Quarterly updates to PIES committee on validation process findings, design evolution and construction progress.**

<table>
<thead>
<tr>
<th><strong>Budget Impact:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved in current year budget?</td>
<td>![Yes] Yes ![No] No ![N/A] N/A</td>
</tr>
<tr>
<td>Annual/Reoccurring expenditure?</td>
<td>![Yes] Yes ![No] No ![N/A] N/A</td>
</tr>
<tr>
<td>If new, specify funding source: Utility Rates, Federal Bridge Funds, and Sec. 129 (in City-Wide program and budget)</td>
<td></td>
</tr>
<tr>
<td>Other budget impacts: (revenue generating, match requirements, etc.)</td>
<td>![N/A] N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Operations Impact:</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Consistent with current operations/policy?</td>
<td>![Yes] Yes ![No] No ![N/A] N/A</td>
</tr>
<tr>
<td>Requires change in current operations/policy?</td>
<td>![Yes] Yes ![No] No ![N/A] N/A</td>
</tr>
<tr>
<td>Specify changes required:</td>
<td>![N/A] N/A</td>
</tr>
<tr>
<td>Known challenges/barriers:</td>
<td>![N/A] N/A</td>
</tr>
</tbody>
</table>
Handouts
Paved Alley Pickup = 65.8 Miles
Unpaved Alley Pickup = 39.0 Miles
Total Alley Pickup = 104.8 Miles

Paved Alleys = 80.6 Miles
Unpaved Alleys = 116.5 Miles
Total Alleys = 197.1 Miles

Unpaved Street Pickup = 25.7 Miles
-15.1 Miles Gravel
-10.6 Miles Unimproved

Paved Roads = 946.5 Miles
Unpaved Roads = 54.2 Miles
Total Roads = 1,000.7 Miles
This is not a legal document:
The information shown on this map is compiled from various sources and is subject to constant revision. Information shown on this map should not be used to determine the location of facilities in relation to property lines, section lines, streets, etc.

Street Type
- Gravel (Improved) - 25.0 CL Miles
- Dirt (Un-Improved) - 29.3 CL Miles

Solid Waste Pickup
Unpaved Street Pickup = 25.7 Miles
- 15.1 Miles Gravel
- 10.6 Miles Unimproved

Total Unpaved Roads = 54.2 Miles
Total Roads = 1,000.7 Miles

Imprinted: 2/5/2018
Presentations
River Connection

COORDINATING STRATEGIC INVESTMENTS AND ONGOING CONSTRUCTION ACTIVITIES
Spokane is a safe, diverse, resilient, sustainable, and growing city known for its natural beauty, economic prosperity, and exceptional quality of life for all.

**Joint Administration-Council 6-Year Strategic Plan**

**2-Year Action Plan**

- **Safer Community**: Reduce property crime
- **Diversity**: Increase and embrace diversity
- **Right Resource, Right Time**: Develop improved integrated response to emergencies
- **Optimize Public Assets**: Support smart use of public land while protecting natural resources
- **Improving Streets**: Accelerate street improvement, such as grind-and-overlay and surface projects, to catch up on deferred maintenance

**Strategic Outcomes**

- Increased median household income levels
- Increased property values
- Safest city of like-sized cities
- Increased livable-wage jobs
- Increased bond rating
- Increased population growth
- Increased social capital

**2018 - 2023 Highlights**

- **21st Century Workforce**: Market Spokane’s urban advantages and experiences to grow jobs and economic investment
- **Available Housing**: Increase housing quality and diversity
- **Regional Center**: Advance downtown as region’s largest and strongest center
- **Arts and Culture**: Support arts and cultural activities
- **2014-2017 Highlights**: Eliminated the city’s structural gap between revenue and expenses
- **Marketing Spokane**: Build and advance a more responsive, adaptable workforce
- **Growing Household Income**: At $40,460, median household income at highest level in more than 10 years
- **Planning for Growth**: Updated forward-thinking comprehensive plan for our community
- **River Connection**: Develop public trails and access points to Spokane River
- **Sustainable Practices**: Develop and implement human and financial management practices that are sustainable, transparent, efficient, and accountable
## Building a Better Community Through Public Partnerships

<table>
<thead>
<tr>
<th>Initiative</th>
<th>Outcome(s)</th>
<th>Partners</th>
<th>Funding</th>
<th>Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Partnership for Youth</strong></td>
<td>3 New Middle Schools utilizing City property/New Playfields for City Schools and Parks/City Library Upgrades with joint use of School District and City land, facilities and programs/Potential Downtown Stadium Partnership.</td>
<td>School District 81/City of Spokane Libraries and Parks/Public Facilities District</td>
<td>School District 81 Voted Bond/ City of Spokane Voted Library Bond: Utilizing a portion of Mcleary Spokane Property Tax Reduction</td>
<td>Voted Bond</td>
</tr>
<tr>
<td><strong>North Bank Sports and Entertainment Partnership</strong></td>
<td>New Sportsplex Fieldhouse Facilities/Parking Structure/Destination Playground/Potential People Mover</td>
<td>City of Spokane/Public Facilities District/Hotel/Motel Association/DSP/STA/Spokane Sports Commission/Spokane County</td>
<td>PFD Contribution (from reserves and debt service); Hotel Motel Association Contribution (from HM Tax); City Contributions (land, parking and funding from Parks &amp; Strategic Investment Fund); County</td>
<td>REET - $5M Parks - $7M HM Tax - $5M PFD - $30M</td>
</tr>
<tr>
<td><strong>Trail and River Access Partnership</strong></td>
<td>2 New River Access Points/Completion of Gorge Loop Trail/Trailhead &amp; West Riverfront Park Gateway Facilities at CSOs/Recreational Amenities</td>
<td>City of Spokane Utilities, Parks/Avista/DSP/Spokane Tribe/Riverkeeper/Friends of the Falls/State RCO</td>
<td>City of Spokane Utilities, Parks, Strategic Investment Fund/Grants</td>
<td>REET - $3M Parks - $1.5M Grants - $1M Int Cap - $2M</td>
</tr>
<tr>
<td><strong>Infrastructure Investment Partnership</strong></td>
<td>Accelerated Street Improvements Citywide/infrastructure investments in WP and NE PDA's/Parking and infrastructure in U district/2-year waiver of City Impact Fees</td>
<td>City of Spokane/Spokane County/Airport/UDRA/Avista/Public Development Authorities/JSI/STA</td>
<td>City of Spokane Utilities, Arterial Street Fund, Strategic Investment Fund, City &amp; County Revenue Sharing, Airport Funding, State Funding</td>
<td>Util - $2.4M Streets - $8M Bldg Fnd - $1M PDA's - $5M</td>
</tr>
<tr>
<td><strong>Criminal Justice Partnership</strong></td>
<td>Community Corrections &amp; Resources Facility/Closure of Geiger Corrections/ Centralization of Facilities and Social Services at Courthouse Campus</td>
<td>City of Spokane/Spokane County/Courts and Community Partners</td>
<td>Property Tax Levy? Criminal Justice Sales Tax? County Utility Tax? Savings from Geiger Closure</td>
<td>$30M - $50M</td>
</tr>
</tbody>
</table>
### Repurposing Public Property and Assets to Stimulate Private Investment

#### Investments in PDA

- Establish Funding Plan
- Select Priority projects W/PDA Boards for 2018 & 2019
- Develop 2-year Workplan
- Design/Bidding
- Project Construction

#### Partnership with Spokane Public Schools

- Financial & Legal Framework
- Board Alignment
- Economic & Pre-Design Analysis
- Go-No Go Decision on Ballot
- Public Outreach/Drains/Examinations

#### Leverage Riverfront Park Investments

- Funding Plan
- Design/Approval Coordination (Integrated Capital/Parks)
- Design/Bid
- Project Construction

#### Surplus City Property back on Tax Rolls

- Surplus Property Identification/Prioritization
- Policy Development/Approval
- Communications/Marketing/Listing
- Negotiations/Approval/Sales

#### Develop and Formalize World Class RiverTrails System

- Finalize Funding Plan ($300k annually) with Water/Wastewater Utility
- Work with Community Partners to Expand funding (AWA/HC)

#### Complete Gorge Loop Trail including CSO #26 Plaza / Glover Park Access

- Finalize River Trail from Gorge Loop to Riverside State Park
- Complete River Trail Easements and Regulatory Framework
- Develop and Adopt Shoreline Access Plan
- Market RiverTrails System Inside and Outside Spokane Area
River Connection Strategic Investments

1. Project: Bosch Lot Parking Structure
2. Project: Looping trail to the north
3. Project: Post Street Bridge
4. Project: Post Street Rebuild or Grind TBD and Post Street sidewalks.
5. Project: Zipline between CSO 26 tank and Glover Field.
6. Project: South Gorge trail Final phase
7. Project: Spokane Falls Blvd and Wall Street improvements. Includes flood light replacement, reconfiguration of lanes and vaulted sidewalks on Spokane Falls Blvd.
8. Project: Roadway configuration
Closed Crosswalk
Busy bus stop

100 boardings a day
Bus uses both lanes
Bike land ends – transition to sharrow
Parking garage, refuse, deliveries
Public Development Authority
Proposed Investments

Street Improvements: $3,000,000
Utility Infrastructure: $2,400,000

Total: $5.4 Million
Northeast Public Development Authority

Proposed Projects:

Matching funds for Wellesley: $750,000
Repurpose Ranch property: $500,000
Improve Rowan between Sycamore and Myrtle: $750,000

Total: $2 Million
Rowan Ave Projects

18" Force Main from Haven St. to Myrtle St CN 2019

Unpaved Section between Sycamore St. and Myrtle St.
U-District Public Development Authority
Proposed Projects:

Sprague Ave Grind/Inlay: $550,000
Grant/Riverside/Sheridan: $900,000

Total: $1.45 Million
West Plains Public Development Authority

Proposed Projects:

Roundabout at Hwy 2 & Deer Heights Road: $1,500,000
Stormwater Study: $150,000

Total: $1.65 Million
### Public Development Authority

#### Proposed expenditures:

<table>
<thead>
<tr>
<th>Area</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeast PDA</td>
<td>$2,000,000</td>
</tr>
<tr>
<td>U-District PDA</td>
<td>$1,450,000</td>
</tr>
<tr>
<td>West Plains PDA</td>
<td>$1,650,000</td>
</tr>
<tr>
<td>Reserves for proposed projects</td>
<td>$300,000</td>
</tr>
</tbody>
</table>

| Total                     | $5,400,000|
Transmission Main Condition Assessment: Manito & 57th
Technology Utilized

Pipe Diver

Smart Ball
Smart Ball
Project Location

Manito Transmission Main
1.1 Miles of 24” Steel Main

57th Avenue Transmission Main
2.0 Miles of 18”/24”/30” Steel Main
Inspection Results

Manito Transmission Main
- 202 pipe segments inspected
- Zero leaks
- Zero electromagnetic anomalies

57th Avenue Transmission Main
- 282 pipe segments inspected
- 1 leak detected
- 3 Pipe segments with electromagnetic Anomalies

0.6% of pipes with corrosion
99.4% of pipes with no corrosion
Electromagnetic Inspection
Data Analysis

Corrosion Anomalies

Corrosion Anomalies
<table>
<thead>
<tr>
<th>Pure Reference Number</th>
<th>Upstream Joint (Station)</th>
<th>Longitudinal Position of Anomaly (feet from Upstream joint)</th>
<th>Circumferential Position of Anomaly (degrees facing Downstream)</th>
<th>Calculated Volume Loss (cubic inches)</th>
<th>Estimated Depth of Wall Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>48+77</td>
<td>7</td>
<td>297</td>
<td>4</td>
<td>20%</td>
</tr>
<tr>
<td>1172</td>
<td>80+71</td>
<td>2</td>
<td>351</td>
<td>4</td>
<td>35%</td>
</tr>
<tr>
<td>1174</td>
<td>81+51</td>
<td>3</td>
<td>351</td>
<td>3</td>
<td>45%</td>
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<td></td>
<td></td>
<td>25</td>
<td>260</td>
<td>5</td>
<td>50%</td>
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<td></td>
<td></td>
<td>27</td>
<td>305</td>
<td>4</td>
<td>50%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>28.5</td>
<td>110</td>
<td>3</td>
<td>35%</td>
</tr>
</tbody>
</table>
Leak Detected 57\textsuperscript{th} & Palouse
Leak Repair – 57th & Palouse
Leak Detection
What we do today
and
Where we are going tomorrow
Standard Leak Survey
Listening on Valves
Listening on Hydrants
Leak Correlation Equipment
Geophones – Pinpoint the Leak
Standard Acoustic Survey
National Averages

<1.76
Leaks Found per person / day

1 leak Found every 1.9 miles per person per day

Survey Cycle length of time 2-3 years
Leak Survey by Satellite

Comparison between acoustic survey and satellite leak detection.

>6.1
Leaks Found
per person / day

1 leak Found every
0.19 miles
per person per day

Survey Cycle
length of time
Quarterly