

Public Infrastructure, Environment and Sustainability Committee

Meeting Agenda for

November 27, 2017

1:15 p.m. – COUNCIL BRIEFING CENTER

The Spokane City Council's Public Infrastructure, Environment and Sustainability Committee meeting will be held at **1:15 p.m. on November 27, 2017** 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 October 23, 2017 meeting

III. Consent Items

1. Upriver Dam Parking Area Paving Project Re-bid – John Saywers
2. Replacement of Ray Street Well Station Transformer – Steve Burns
3. Central Avenue Well #2 Upgrade Project – Dan Buller
4. Havana Well Field Project – Dan Buller
5. Monroe Street/Lincoln Street Couplet from 8th to Main Avenue Phase II – 2nd Avenue to Main Avenue - Request for Additional Administrative Reserve – Kyle Twohig
6. Amending Ordinance C35423 – Right-of-Way Vacation – Eldon Brown
7. Vacation of the west three feet of Conklin Street south of Hartson Street – Eldon Brown
8. Value Blanket Renewal to Supply Deicer – Gary Kaesemeyer

Waste to Energy – David Paine/Chris Averyt

9. Extension of Contract for On-Site Valve Repair
10. Extension of Contract for Insulation Services
11. Extension of Contract for Reconditioning Motors Off-site
12. Extension of Contract for Gearbox Rebuilding
13. Extension of Contract for Recycling of Metals
14. Amendment to Contract for TabWare Hosting fee and Technical Support
15. Extension to Contract for Boiler Blast Cleaning Services
16. Extension of Contract for Refractory Installation and Sandblasting Services
17. Extension of Contract for Rebuilding of Hydraulic and Pneumatic Cylinders
18. Purchase of Portable Lime System

Fleet Services – Steve Riggs

19. Value Blanket for the Purchase of Miscellaneous Tires
20. Purchase of Two F350's for the Street Department
21. Purchase of Replacement Truck Bodies and Accessories for Various Departments
22. Contract for Auto Body Repair Services
23. Value Blanket Renewal to Supply Lubricants
24. Value Blanket and Sole Source Resolution for Snow Plow Parts

IV. Discussion Items

A. Council Requests

1. University District Pedestrian Bridge Right-of-Way and Front Avenue Use Agreement – Council Member Waldref/Dave Steele (10 minutes)

B. Staff Requests

1. Special Budget Ordinance: Solid Waste Tipping Expense – Scott Simmons (5 minutes)
2. 2017 Neighborhood Council Traffic Calming – Katie Myers (15 minutes) (briefing paper)
3. Update on remaining CSO Projects – Kyle Twohig (15 minutes)
 - CSO 14/15 (West Central Neighborhood) (briefing paper)
 - CSO Basin 23 Control Facility (Kendall Yards) (briefing paper)
 - CSO Basin 25 (Riverside/Peaceful Valley) (briefing paper)
4. Update on Martin Luther King Jr. Way – Kyle Twohig (10 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

- Leverage our Riverfront Park investments to stimulate urban development – Rick Romero/Leroy Eadie (30 minutes)

C. Priority Strategy 3: Smart Use of Water Resources for Economic Growth

- Water-Smart conservation and capacity strategies and partnerships
 - Parks/Golf Course Water Conservation Project – Cadie Olsen/Garrett Jones (5 minutes)

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

December 11, 2017 10:30 a.m. in Briefing Center (rescheduled from December 25, 2017)

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.

STANDING COMMITTEE MINUTES
City of Spokane
Public Infrastructure, Environment, and Sustainability
October 23, 2017

Committee Members Present

Council Member Amber Waldref, Committee Chair
Council Member Breean Beggs
Council Member Mike Fagan
Council Member Lori Kinnear
Council Member Candace Mumm
Council Member Karen Stratton
Council President Ben Stuckart

Staff Present

Hannahlee Allers, Eldon Brown, Steve Burns, Chris Cafaro, Mike Cannon, Brian Coddington, Marcia Davis, Leroy Eadie, Anna Everano, Marlene Feist, Jacob Fraley, Luis Garcia, Raylene Gennett, Ken Gimpel, Kara Heatherly, Gary Kaesemeyer, Dan Kegley, Abigail Martin, Brian McClatchey, Adam McDaniel, Skyler Oberst, Cadie Olsen, Mike Ormsby, David Paine, Steve Riggs, Rick Romero, John Saywer, Elizabeth Schoedel, Scott Simmons, Mike Sloon, Heather Trautman, Kyle Twohig, Scott Windsor

Guests Present

Kip Hill, Paul Kropp

Council Member Waldref called the meeting to order at 1:30 p.m.

Review and Approval of Minutes:

Council Member Waldref asked for a motion to approve the minutes of the September 25, 2017 meeting.

➤ **Action Taken:**

- Council President Stuckart moved to approve the minutes of the September 25, 2017 meeting as presented; the motion was seconded by Council Member Mumm. The minutes were approved unanimously.

Priority Strategies

Cleaner River, Faster – Water Quality Standards:

Mayor David Condon gave a presentation on water quality standards and the City's work to address PCB's. He spoke about the Integrated Clean Water Plan, the PCB standards, as well as, the City's National Pollution Discharge Elimination System (NPDES) permit. He discussed the areas of investment to benefit the removing of contaminants and provide return for the Citizens.

Two-Year Strategic Priorities:

Rick Romero reviewed the strategies identified for the two-year work plan for the Public Infrastructure, Environment, and Sustainability Committee. He showed a PowerPoint

slide that included the four priority strategies. The items will be shown on the committee's agenda and reported on as progress continues.

Rapidly Accelerating Street Pavement Maintenance Projects

Overview of 2017 Projects Techniques:

Scott Simmons gave an overview of the street repair strategies during 2017 that included assessing pavement conditions and condition of road base along with the average daily traffic volumes with a focus on improving drivability and safety. Scott gave a PowerPoint that showed the progress of several projects this year including the rebuild of Lincoln downtown, Thor Avenue, Maxwell Street, Freya, and Sunset Boulevard.

Repurposing Public Property to Stimulate Private Investment

No report this meeting.

Smart Use of Water Resources for Economic Growth

No report this meeting.

Putting Our Renewable Energy Resources to Work in the Community

Request for Qualifications for an Energy Consultant:

Scott Simmons discussed the request for qualifications that was put out to search for an energy consultant with the purpose of expert advice on the Upriver Dam and Waste to Energy facilities electricity resources.

Flex Session

Ordinance Amendments for Sidewalks (Snow):

Heather Trautman and Abigail Martin discussed the proposed changes to the ordinance for sidewalks 12.01. Discussion was had on the options for removal abatement and costs. Heather spoke about the process to address abandoned homes and around school walking zones. The Committee suggested that Council Member Beggs and Kinnear to work with Heather and Abigail on language for the ordinance.

Consent Items (Briefing Papers only):

1. Mission Avenue Grind and Overlay
2. CSO 24 (1st and Adams) Control Facility Guaranteed Maximum Price
3. Contract for Specialized Testing of Wastewater/Stormwater
4. Contract for Upriver Dam Parking lot/Driveway Paving
5. Contract for Well Study
6. Purchase Motor Control Centers for Water Department
7. Extension of Value Blanket to Purchase Automated Yard Carts for Solid Waste Collection
8. Extension of Value Blanket to Purchase Automated Refuse Carts for Solid Waste Collection
9. Amend Ordinance C-13628 to Release Utility Easement (Wonder Spokane)

Waste to Energy Facility

10. Amendment and Extension to Contract for Revised Closure and Post-Closure Plan and Update to Financial Assurances for the Northside Landfill
11. Extension of Contract for Quarterly Crane/Hoist/Trolley and Lifeline Inspections and Preventative Maintenance

12. Renewal of Consultant Agreement for Software Maintenance and Technical Support Plus Parts for the Control Systems
13. Renewal of Contract for Vacuum Support Services
14. Renewal of Value Blanket for Purchase of Anhydrous Ammonia and Phosphoric Acid
15. Renewal of Value Blanket for the Purchase of Hydrochloric Acid
16. Amendment to Value Blanket for the purchase of Sodium Hydroxide 50%
17. Renewal of Value Blanket for Compressor Rentals
18. Renewal of Value Blanket for Purchase of High Calcium Quicklime
19. Renewal of Value Blanket for Purchase of Activated Carbon

Fleet Services

20. Purchase one Terminal Tractor for Waste to Energy
21. Value Blanket Renewal for Purchase of Automotive Batteries
22. Purchase one TV Van for Wastewater Department
23. Purchase two Ford Transit Cargo Vans for Water Department

Executive Session:

None.

Adjournment

The meeting adjourned at 2:50 p.m.

Prepared by:

Barbara Patrick, Administrative Specialist

Approved by:

Chair

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Upriver Facility Paving Project (2017169) RE-BID
November 27, 2017

Subject

Upriver Facility Paving Project (2017169) RE-BID

Background

This project is proposing to perform maintenance on the existing gravel access and parking area for the City's Upriver Dam Facility, see attached maps. The existing gravel access driveway and parking area has been a very high maintenance surface as it currently exists. We propose to utilize the existing gravel base and pave the surface with hot mix asphalt (HMA). We also propose to provide stormwater treatments consisting of bio-swale and low impact development (LID) meeting basic treatment guidelines as required per the Department of Ecology and the Spokane Regional Stormwater Manual within wellhead protection areas.

This background information is provided for council consideration. This project was originally bid on October 23, 2017 and we received one bid in the amount of \$231,447.00 with an engineers estimated cost of \$153,000. The one bid was over 50% higher than the engineers estimate and was rejected. We chose to do an Addendum Re-bid which opened on November 13, 2017 to attract more bidders after the end of the construction season. The November 13, 2017 bid opening drew 5 bidders; the lowest responsive bidder was for \$135,248.40 and with a revised engineer's estimate of \$149,618.83 makes the bid 10% under the engineers estimate. We plan to place this project on council advanced agenda if approved.

Impact

This work will require coordination with Upriver Dam Facility tours during construction.

Action

Recommend Approval.

Funding

This contract will be funded by the water department

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Upriver Facility Paving Project (2017169) RE-BID
November 27, 2017



BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Upriver Facility Paving Project (2017169) RE-BID
November 27, 2017

CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF ENGINEERING SERVICES

MAYOR
DAVID A. CONDON

COUNCIL MEMBERS
BEN STUCKART, CITY COUNCIL PRESIDENT
AMBER WALDREP
BRIANN BEGGS
KAREN STRATTON
LORI KINNEAR
MIKE FAGAN
CANDACE MUMMI


CITY ADMINISTRATOR
THERESA SANDERS

ENGINEERING OPERATIONS MANAGER
KYLE TWOHIG

CITY ENGINEER
DAN BULLER, PE

DIRECTOR OF UTILITIES
SCOTT SIMMONS

DIRECTOR OF WATER AND WASTEWATER COLLECTION
DAN KIDLEY



PROJECT LOCATION

SHEET INDEX

- 1.) COVER SHEET / INDEX / VICINITY MAPS
- 2.) PAVING
- 3.) GRADING & DRAINAGE
- 4.) ESC PLANS
- 5.) DETAILS
- 6.) DETAILS
- 7.) DETAILS

UPRIVER PARKING LOT IMPROVEMENTS

CITY PROJECT # 2017169

APPROVED	____	DATE	____
APPROVED	CITY MANAGER	DATE	____
APPROVED	ENGINEERING OPERATIONS MANAGER	DATE	____
APPROVED	PROJECT MANAGER	DATE	____
APPROVED	PROJECT MANAGER	DATE	____

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment, & Sustainability Committee
Water & Hydroelectric Services Department
November 27, 2017

Subject

Replacement of Ray Street Well Station Transformer by Colvico Inc. (Spokane, WA) for \$105,118.00 including tax.

Background

In August of this year, one of the transformers at Ray Street Well Station short circuited for unknown reasons and became inviable. This unit must be replaced as soon as possible. To that end, Bid #4413-17 was issued on October 6, 2017 to forty-three (43) potential contractors. An on-site Pre-Bid Conference was offered on October 12, 2017. Three (3) bids were received and publically opened on October 23, 2017. Colvico Inc. came in low bid and review of their Supplemental Bidder Responsibility Criteria determined they were responsible.

Project scope of work includes removal and disposal of the existing transformer, procurement and installation of a new transformer, and operation and maintenance training.

Original Engineer's Estimate: \$120,000.00

Impact

This project supports continued function of the Ray Street Well Station, which is a critical part of the water production capacity of the City of Spokane Water System.

Action

Approval is strongly recommended. The replacement transformer unit is made to order and has a long lead time (estimated at three (3) to four (4) months).

Funding

All funding for this purchase will be from Integrated Capital Management Six (6) Year Capital Plan budgetary funds.

BRIEFING PAPER
Public Infrastructure, Environment & Sustainability Committee
Engineering Services
November 27, 2017

Subject:

Central Avenue Well #2 Upgrade (2016133)

Background:

This project replaces the existing 50+ year old submersible motor, pumps and below ground vault with an above ground building and vertical turbine line shaft pumps. Vertical turbine line shaft pumps have above ground motors which are easier and less expensive to maintain and last longer than submersible motors. An above ground building in which to do maintenance is both safer and cleaner than the existing below ground vault which are now discouraged by the Washington State Department of Health.

Please refer to attached exhibits.

Impact:

This project is in a residential neighborhood. Because the building is relatively tall due to the height of the above ground pump motors, an architect was employed to ensure that the proposed building fit within its context. The building will match that constructed for Well #1 earlier this year.

As part of the public outreach effort, neighbors were given the opportunity to review the architectural drawings and were, without exception, pleased with what they saw.

Down well removal is proposed to begin this winter while the aquifer level is low. Project completion is expected in fall of 2018.

Action:

This project is on ad now with bids scheduled to open on December 4, 2017. We plan to put this project on council agenda shortly thereafter.

Funding:

The engineer's estimate is \$1.1M. This project is paid with state loan funding.



BRIEFING PAPER
Public Infrastructure, Environment & Sustainability Committee
Engineering Services
November 27, 2017

Subject:

Havana Well Field (2016142)

Background:

The Havana Well Field project consists of drilling six wells on the city owned parcel at the southeast corner of Havana Street and 6th Avenue (just inside Spokane Valley limits). A subsequent project, scheduled for 2019, will install the pumps and associated piping, building and electrical and connect it all to the city's existing transmission mains in Havana Street. This project only drills the wells.

Impact

This project will temporarily block 7th Avenues connection to Havana Street (east side of Havana Street) and will shift traffic on 8th Avenue southward due to discharge pipe routing. Both of these impacts to traffic are in and have been approved by Spokane Valley.

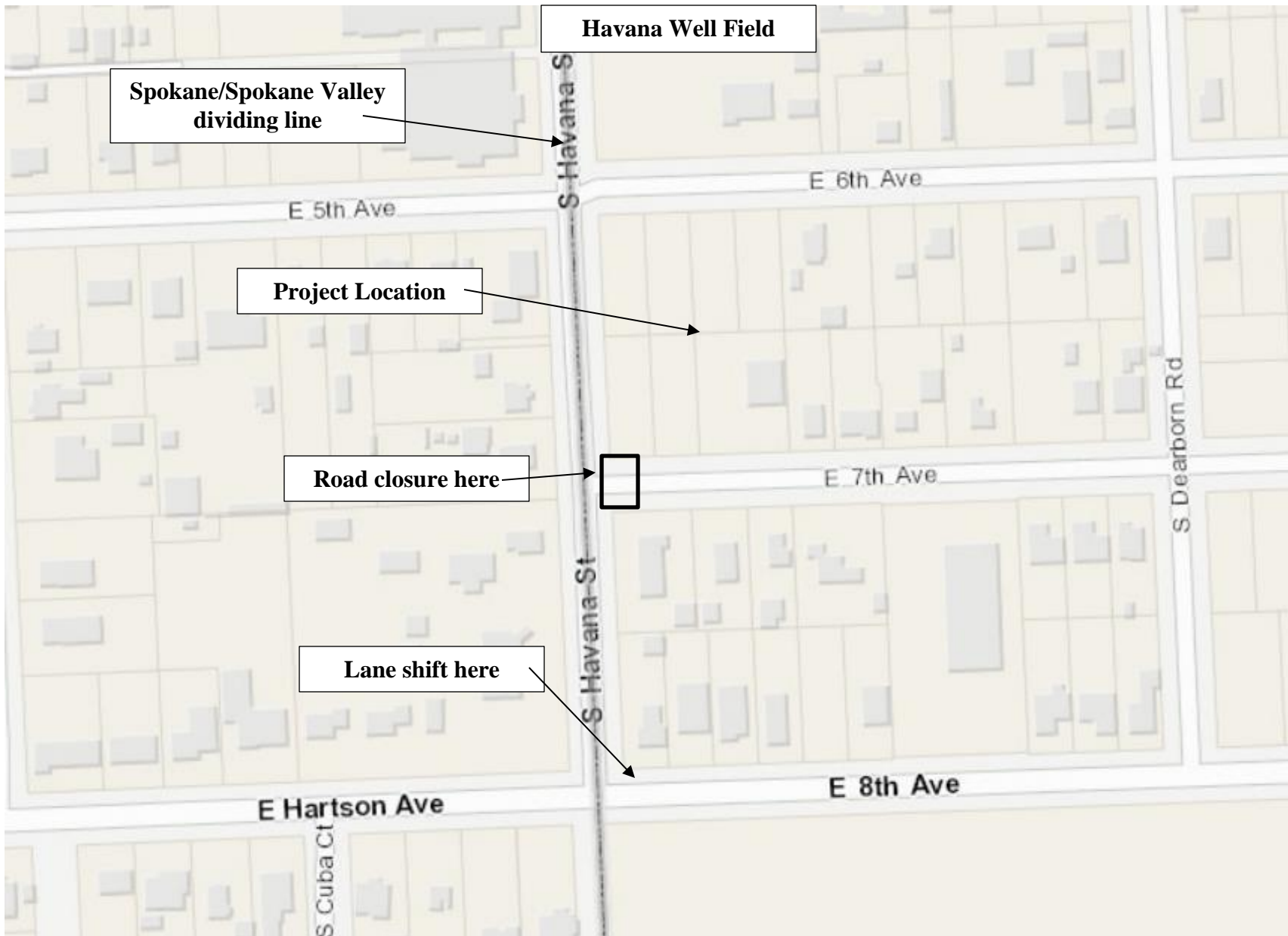
Work on this project will occur in spring/summer 2018.

Action

This project is on ad now with bids scheduled to open on December 4, 2017. We plan to put this project on council agenda shortly thereafter.

Funding

Engineer's estimate for this project is \$1.7M. This project is paid with local funds.



BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Engineering Services
November 27, 2017

Subject

Project #2014107 - Monroe Street/Lincoln Street Couplet from 8th to Main Avenue
Phase II – 2nd Avenue to Main Avenue. Request for Additional Administrative Reserve.

Background

During the construction of the above mentioned project many contract items overran, primarily at City's direction for the benefit of the project and/or public convenient. Of those, the following items had the greatest impact to the project budget:

- Removal and Replacement of Curbs and Sidewalks totaling \$92,000. The existing curbs and sidewalks were in such poor shape additional removal and replacement was required for a satisfactory outcome.
- Temporary Patching for water main replacement totaling \$56,000. To keep two lanes of traffic flowing during water main replacement all water main crossing required temporary patching.
- Removal and Replacement of Asphalt totaling \$128,000. On several side streets connections to existing City utilities were required that were outside the street removal limits. At these locations the cuts were squared off and the side street was rebuilt instead of patched.

Additional change orders have been processed or are expected for the following significant items:

- Additional Traffic Control and Devices totaling \$102,000. Additional traffic control and devices were required in several locations that were not anticipated on the traffic control plan. Additional flaggers were required for paving operations which occurred at night to minimize public impacts.
- Provide and Operate Light Plants totaling \$67,000. The existing lighting system was removed and replaced on the project. After removal of the existing lighting system, streets that were normally lit at night became very dark. The Contractor was asked to provide and operate light plants at each intersection for 4 months.
- Signal and Lighting revisions totaling \$33,000. In several locations the existing electrical system was not up to code. The existing system had to be brought up to current code before the new electrical system could be tied into the existing electrical system.
- Temporary Striping totaling \$22,000. Due to inclement weather, the final lift of asphalt could not be placed before the winter of 2016. The contractor was directed to place temporary striping prior to the winter shut down.

Original Contract Amount = \$3,121,100.60

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Engineering Services
November 27, 2017

Existing Administrative Reserve = \$312,110.06 (10%)
Additional Administrative Reserve Request: \$251,889.34 (8.1%)
Projected Project Construction Cost = ~\$3,685,100.00 (~118.1%)

Impact

The aggregate contract change orders and quantity overruns are expected to exceed the 10% administrative reserve provided during contract award. It is estimated that the change orders and overruns will not exceed 18.1% of the original contract amount of \$3,121,100.60. Original funding amounts are sufficient to fulfill this request.

Action

Authorize additional administrative reserve to allow for the payment of quantity overruns, negotiations and payment of outstanding change orders, and to final the project. Increase the Administrative Reserve from \$312,110.06 to \$563,999.40 to final the project and comply with prompt pay laws.

Funding

This additional administrative reserve will be funded via the Arterial Street Fund.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment, and Sustainability
Committee
November 27, 2017

Subject

Amending Ordinance C35423 that vacated a portion of Ross Court, North Crescent Avenue, North Center Street, and a portion of a nearby alley.

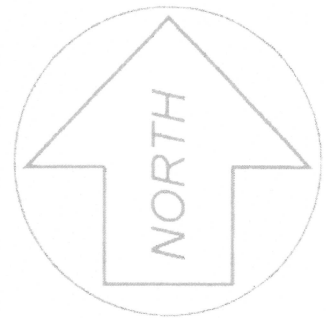
Background

At the request of Avista, on November 22, 2016 the City of Spokane vacated right-of-way, enabling Avista to expand their Upriver Drive Campus.

Since that time, it has been determined that an additional small amount of right-of-way needs to be vacated in order to accommodate a center turn lane for the realigned street. The legal description of the Ordinance needs to be amended to adjust for this change.

Attached:

- Map of area



SCALE
NOT TO SCALE



BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment, and Sustainability
Committee.
11/27/2017

Subject

Street vacation of the west 3 feet of Conklin Street south of Hartson Street.

Background

The property owners of 926 E Hartson St. have applied, through Stacy Bjordahl, to vacate the west 3 feet of Conklin Street south of Hartson Street. Currently on their property there are (2) existing garage/shed buildings that are built approximately 1.7 feet into the right-of-way. They are requesting the vacation in order to clear title without having to remove the existing buildings.

Attached:

- Map of area

P1706589VACA



Right of Way Description:
Vacation of the west 3 feet of Conklin Street from the south line of Hartson Avenue to the south end of Conklin Street as platted in Block B of Hartson's Subdivision of Blocks 3,4,5,6,7, and 8 of Hartson and Townsend's Highland Park Addition to Spokane

Legend



Vacation Area

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 relationship to property lines, section lines, streets, etc.



**Briefing Paper
City of Spokane
Street Department
Public Infrastructure and Environmental Sustainability
November 27, 2017**

Subject

Renewal of the Annual Blanket Order for liquid deicer (liquid magnesium chloride) using the Washington State Contract # 02714. The low bidder was Roadwise, Inc. Tacoma, WA.

Background

This material is used by the Street Department during the winter months to aid in snow and ice removal. Roadwise Inc. was our supplier last year. This State contract was originally bid in 2014; therefore this is the third renewal of the possible five (5) renewals per the contract language.

The City of Spokane has a clause in the State contract that states the supplier must deliver the product to our existing storage facility in the northeastern portion of the City and also provide us with access to a supplier owned storage facility in the eastern portion of the City with a minimum of 120,000 gallons. The site that has and is being provided is at the railroad yards at Havana and Sprague. This is the same site we have used for the past several years.

This year's average price for deicer is \$175.00 per ton, including tax, and is approximately \$8.14 more than last year. This is due to an increase in railroad shipping costs and materials costs. This equates to an approximate cost increase of \$26,400. The estimated annual cost for 8000 tons is \$1,400,000 including tax.

Impact if additional budget allocation not approved

The total cost to the Street Department as noted above will be approximately \$1,400,000.

Action

Recommend Approval

Funding

The funding for this material is programmed into the Street Department's 2017/2018 budget.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Extension of contract with Bay Valve Service, LLC, Longview, WA, for on-site valve repair services at the Waste to Energy Facility.

Background

On-site repair of valves at the waste to energy facility may be as-needed or scheduled in conjunction with a maintenance outage. Valve repair services may include, but are not limited to: boiler safety valves, relief valves, main boiler stops, critical service valves, high pressure valves, control valves, and removal and installation of various high pressure components.

On December 8, 2014, 2 proposals were received in response to RFP#4091-14. Bay Valve Services, LLC, was the lowest cost proposal. The original contract was for 1 year and allowed for 4 additional 1-year extensions. This is the 3rd of those extensions. Cost of the contract extension is \$100,00.00 plus a 10% administrative reserve for a total contract cost of \$110,000.00 excluding taxes.

Impact

The waste to energy has numerous types of valves, many of which are critical to the operation of the plant. Maintaining these valves is required for safe and efficient operation. Failure of these critical valves could result in a shutdown of the plant.

Action

Recommend approval of this contract extension for January 1 to December 31, 2018.

Funding

Funding is included in the 2018 operation and maintenance budget for the WTE.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Extension of Contract with Safway Services, LLC, of Spokane , for removal and replacement of insulation and cladding and for boiler walls and piping and other insulation work as needed at the WTE.

Background

During outages at the WTE removal of insulation and cladding for boiler walls and other areas is needed to allow access. Replacement of the insulation and piping and fabrication and installation of removable insulation blankets is also required. Removal and replacement of damaged or worn insulation may also be required on an as-needed basis.

On December 8, 2014, 3 proposals were received in response to RFP#4082-14. Safway Services, LLC, was the lowest cost proposer. The original contract was for 1 year, with 4 additional 1-year extensions. This is the 3rd of those extensions. Safway Services, LLC, has agreed to extend the contract for an additional year with the only price increases being a 5% increase to the wages per the Washington State Prevailing Wage regulations. Cost of the contract is \$100,00.00 plus 10% administrative reserve for a contract total of \$110,000.00 excluding taxes.

Impact

Insulation and cladding of various types is required throughout the plant to allow the WTE to operate properly, and maintain a safe working environment. This contract extension will allow for that insulation to be removed and replaced from time to time, allowing the facility to be maintained and repaired.

Action

Approval of this contract extension for January 1 to December 31, 2018, is recommended

Funding

Funding is included in the 2018 operation and maintenance budget for the WTE.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Extension of contract with Eastside Electric Motors, LLC, of Spokane Valley, to Recondition Motors Off-site for the Waste to Energy.

Background

The WTE Facility uses various motors throughout the plant. Reconditioning of these motors extends the life and allows them to be fully utilized. An Informal Request for Bids WTE-11 was issued for reconditioning of motors off-site for the WTE. Eastside Electric Motors, LLC, was the lowest cost bidder.

The initial contract was for 1 year, and allowed for four 1-year extensions. The term of this extension is January 1 to December 31, 2018 and is the 3rd of those extensions. Cost of this 3rd extension is \$35,000.00 with a 10% administrative reserve for a total of \$38,500.00.

Impact

Reconditioning these motors extends their life and allows the WTE to continue uninterrupted operations at a lower cost than replacing the motors.

Action

Recommend approval.

Funding

Funding is included in the 2018 maintenance budget for the WTE.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Extension of contract with Knight Construction & Supply, Inc., Deer Park, for the rebuild of gearboxes for the WTE.

Background

An informal request for bids, WTEF-07, was issued on October 10, 2014, for the rebuild of various gearboxes throughout the WTE. Knight Construction & Supply, Inc., was determined to be the lowest cost bidder.

The initial contract was for 1 year and allowed for four 1-year extensions. This is the 3rd of those extensions. Cost of this 3rd extension is \$45,654.00 with a 10% administrative reserve for a total contract amount of \$50,219.40.

Impact

Rebuilding these gearboxes will extend their life and allow the WTE to continue uninterrupted operations at a lower cost than replacing the gearboxes.

Action

Approval of this contract extension for January 1 through December 31, 2018, is recommended.

Funding

Funding for this contract extension is included in the 2018 maintenance budget for the WTE.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Contract extension with American Recycling Corporation for recycling of metals collected from the WTE Facility ash, and scrap metals from the tipping floor.

Background

Metals are removed from the ash prior to disposal to reduce the disposal cost, increase recycling, and generate revenue. In addition, large metal items are removed from the waste on the tipping floor for recycling prior to incineration.

The City entered into a contract with American Recycling Corporation in response to the City's RFP #4071-14. That contract was for one year, with 2 additional 1-year extensions. Those 1-year extensions have been exhausted. This extension is for the interim period while a new request for proposals is issued and a new vendor is selected and a contract is in place

Impact

The metals from the ash must be removed from the facility on a daily basis to allow for continued ash generation. Extending this contract will allow for this material to be utilized for recycling instead of being disposed.

Action

Recommend approval of this extension through June 30, 2018.

Funding

This is a revenue contract. Estimated revenue for this extension is \$100,000.00.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
October 23, 2017

Subject

Second Amendment to contract with AssetPoint for the yearly Hosting Fee and yearly Technical Support for TabWare® Computerized Maintenance Management System and associated software for the WTE facility.

Background

All of the equipment history, inventory, purchases , work orders and planned maintenance activities are archived within the TabWare® software. This information is critical to the operations of the facility. AssetPoint is the sole provider of TabWare® and its components, and is the sole provider of training and support.

The original contract encompassed the purchase of the software and licenses, conversion to the City's computer system, and hosting and support for the first year. The contract was amended in December 2015 to include ongoing hosting fees and software support. The cost escalation estimated for that amendment was low. This 2nd amendment will add \$35,000.00 plus an additional 10% administrative reserve for a total of \$38,500.00 to adjust for that low estimate and cover the remaining term of the contract.

Impact

Amendment of this contract will allow for uninterrupted access to the equipment and maintenance history of the WTE facility. This will allow for more efficient procurement of supplies and scheduling of maintenance.

Action

Recommend approval of this amendment.

Funding

Funding is included in the 2018 WTE facility operations budget.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Extension of contract with Online Cleaning Services of Marysville, CA, for boiler blast cleaning services at the WTE.

Background

Prior to maintenance outages blasting is done in the boilers to facilitate more efficient cleaning and repairs during the outages. Additional on-line blast cleaning may be required for the boilers or the expeller drop chute.

These blastings involve the use of explosives, which can only be used by specially trained personnel. Three responses to RFP#4062-14 were received, and Online Cleaning Services was determined to be the most qualified and lowest cost proposer. The term of the original contract was 1 year with 4 additional 1-year extensions. This is the 3rd of those extensions. Cost of this extension is \$215,000.00 plus a 10% administrative reserve of \$21,500.00 for a contract total of \$236,500.00 excluding taxes.

Impact

Blasting prior to a maintenance outage allows for more efficient cleaning and inspection of the boilers during the outage. This allows for easier identification of areas needing more repair, more efficient repairs, and consequently more efficient operation.

Action

Recommend Approval of this contract extension for January 1 to December 31, 2018.

Funding

Funding is included in the 2018 operation budget for the WTE.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Extension of contract with Zampell Refractories, Inc., Newburyport, MA, for refractory installation and sandblasting services at the WTE.

Background

During scheduled maintenance outages, sandblasting of the tube areas in boilers, convection cavity, and superheater tubes, screen tubes, and generator tubes is needed. Also, refractory demolition, tile installation, and miscellaneous anchor welding must be performed.

Zampell Refractories, Inc., was the most qualified and lowest cost proposer responding to RFP #4069-14. Zampell has agreed to extend the contract with no changes to the price for materials and equipment, however labor rates will change in accordance with the changes in the Washington State prevailing wage rate schedule. The term of the original contract was for 1 year, with 4 additional 1-year extensions. This is the third of those extensions. The cost for this contract extension is \$640,000.00 plus a 10% administrative reserve, for a contract total of \$704,000.00 excluding taxes.

Impact

Sandblasting services and removal and replacement of refractory material is essential to keep the boilers in good working order for the continued operation of the WTE Facility. Failure of any of these items could result in a plant shutdown.

Action

Approval of this extension is recommended to maintain continued services for January 1 to December 31, 2018.

Funding

Funding for this contract extension is included in the 2018 operation and maintenance budget for the WTE.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

Extension of Contract with Hydrotech Generator Repair Plus, Inc., of Spokane Valley, for rebuilding of hydraulic and pneumatic cylinders with OEM parts only for the WTE.

Background

The WTE uses various hydraulic and pneumatic cylinders throughout the facility. Rebuilding these cylinders with OEM parts extends their life and is more cost effective than purchasing all new cylinders.

On October 24, 2016, two responses to RFP#4303-16 were received.

1. Knight Construction & Supply, Deer Park, WA
2. Hydrotech Generator Repair Plus, Inc., Spokane Valley, WA

Hydrotech Generator Repair Plus, Inc., was determined to be the lowest cost proposer. The original contract was for 1 year with the option to extend for 4 additional 1-year periods. This is the first of those extensions. The cost of the extension is \$75,000.00 plus a 10% administrative reserve for a total contract price of \$82,500.00.

Impact

Rebuilding these cylinders is the most cost effective method to keep the equipment operating with minimal interruptions in service.

Action

Recommend approval of this contract extension for January 1 through December 31, 2018.

Funding

Funding for this contract is included in the 2018 operation and maintenance budget for the WTE.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Subject

The WTE is requesting permission to procure a Back End Lime Silo System for the WTE.

This funding request includes the purchase of a portable lime silo system as well as ancillary components of the project which include electrical and mechanical connections necessary to support the operations of the system and the installation of a concrete slab that will support the system.

Background

The WTE currently uses high calcium quicklime as part of its emission controls system. Water added to pebble lime creates slurry which is injected into the flue gas path to remove hydrochloric acid and SO₂ and to reduce flue gas temperature.

The facility has historically over injected lime slurry into the flue gas system to ensure that the removal of pollutants in the flue gas is maximized. The excess, or unreacted lime, that remains falls out into the fly ash system and is used to control the PH of the combined ash, a byproduct of incineration.

The addition of the Back End Lime System will allow us to more accurately regulate the amount of lime needed to maintain the PH in the combined ash.

In parallel with the implementation of the new lime system we be conducting testing to substantiate the elimination of the WesPhix system that adds phosphoric acid to the combined ash stream.

By regulating the feeding of lime used at the front of the process, but still maintaining our emission control parameters, we will reduce the maintenance costs on the associated equipment. It will also reduce labor costs associated with the inherent over feeding of lime into the emission controls system. Upon substantiating the elimination of the WesPhix system we will also see a decrease in maintenance and labor costs associated with the elimination of the use of phosphoric acid.

A RFB # 4422-17 was issued to procure a 52 ton capacity portable lime silo that includes all filling and discharge components and controls.

The ancillary components have been solicited separately under informal requests for bids WTE 17-029 and WTE 17-030.

BRIEFING PAPER
City of Spokane
Public Infrastructure, Environment and Sustainability Committee
Solid Waste Disposal
November 27, 2017

Impact

Better regulation of the amount of lime necessary for the emissions control system will see a reduction of lime usage in that area of the operation.

Adding lime directly into the fly ash stream at the back end of the process will allow us to better control the PH of the ash and reduce the total amount of lime required.

Parallel testing will confirm our ability to maintain our combined ash PH within the permissible guidelines. Testing will confirm our ability to eliminate the WesPhix system and the need for phosphoric acid in our process.

The process change will result in a long term reduction in labor required to maintain the system, a reduction in maintenance cost, a reduction in the amount of lime purchased and the elimination one chemical used in our process.

Action

Recommend Approval of this capital project.

Funding

Funding (\$480,000.00) for this system is included in the 2017 capital budget for the Solid Waste Disposal Department.

BRIEFING PAPER
PIES Committee
Fleet Services
November 27, 2017

Subject

Fleet Services requests the approval of a value blanket (VB) to be awarded to Goodyear Commercial Tire and Service (Spokane, WA) for the purchase of miscellaneous tires. Tires will be purchased on an “as needed” basis using state contract #01712. Estimated expenditure for the term of the VB, including tax, is as follows:

Duraseal Tires	\$500,000.00
Police Tires	\$125,000.00

The term of the VB is 12/01/2017 to 3/31/2019 for a total estimated expenditure of \$625,000.00 including tax.

Background

As a member of the Washington State Purchasing Cooperative, State contract pricing is available to the City through Goodyear Commercial Tire and Service. The Duraseal tires are used on refuse collection vehicles for the Solid Waste Collection Department and also on street sweepers for the Streets Department. These self-sealing tires have significantly reduced flat tires and last longer than the tires used previously. The Police tires are used on police vehicles.

Impact

Continuing the purchase of the Duraseal tires will reduce operating costs for the City of Spokane.

Action

Recommend approval for the value blanket awarded to Goodyear Commercial Tire and Service for the purchase of Duraseal and Police tires utilizing Washington State Contract #01712 for an estimated expenditure of \$625,000.00 during the term of the VB.

Funding

Funding is available in the Fleet Services budget.

BRIEFING PAPER
PIES Committee
Fleet Services
November 27, 2017

Subject

Fleet Services requests approval for the purchase of two F350s for the Street Department. The purchase will be made from Columbia Ford (Longview, WA), utilizing state contract #05916 for \$68,599.86, including tax.

Background

The City of Spokane has a new robust snow removal plan. The purchase of two, F350s using state contract #05916, will be to assist the City of Spokane in carrying out the new snow removal plan.

Impact

Vehicles will be used to assist in the new City of Spokane snow removal plan.

Action

Recommend approval of the purchase of two, F350s using state contract #05916.

Funding

The expenditure is included in the Street department replacement fund.

BRIEFING PAPER
PIES Committee
Fleet Services
November 27, 2017

Subject

Fleet Services requests the approval of a Purchase Order for Truck Bodies and Accessories with Freightliner Northwest. Estimated expenditures, including sales tax, is as follows:

Unit	Dept	Budget Yr	Total
428627	Parks	17	\$77,140.69
428679	Streets	18	\$83,967.21
428680	Streets	18	\$83,967.21
428681	Streets	18	\$96,983.37
428682	Streets	18	\$96,983.37
428683	Streets	18	\$81,947.08
428684	Streets	17	\$81,947.08
428702	Sewer	17	\$121,288.92
428685	Treatment Plant	17	\$61,747.98
428711	Sewer	17	\$94,997.08
428686	Parks	18	\$101,430.96
Total Cost			\$982,402.95

Background

Request for Proposals #4401-17 for Truck Bodies and Accessories was sent out to sixteen vendors. Two bids were received.

Impact

Fleet Services combined all of the City's service body replacement requirements into one comprehensive bid in order to receive a deeper discount and for a more efficient build strategy moving forward. All of these vehicles are replacing vehicles that have reached the end of their lifecycle.

Action

Recommend approval of a Purchase Order with Freightliner Northwest for an estimated total expenditure including sales tax, of \$982,402.95.

Funding

The expenditure is included in the following departments' budgets: Fleet Services, Parks, Streets, Wastewater Treatment Plant, and Wastewater.

BRIEFING PAPER
PIES Committee
Fleet Services
November 27, 2017

Subject

Fleet Services requests the approval of a three-year contract for Auto Body Repair Services, with two, one-year renewals. The contract shall be with Toby's Body and Fender, Inc. (Spokane, WA), as a primary contractor for an estimated annual expenditure including sales tax of \$260,000, and Watson Paint and Body Works, Inc. (Spokane, WA), as a secondary contractor for an estimated annual expenditure including sales tax of \$40,000. Work will be done on an "as needed" basis.

Background

Request for Proposals #4394-17 for Auto Body Repair Services was sent out to three contractors. Two proposals were received.

Impact

These contracts will be used to obtain Auto Body Repair Services for City fleet.

Action

Recommend approval of the contracts with Toby's Body and Fender, Inc., as a primary contractor for an estimated annual expenditure including sales tax, of \$260,000, and Watson Paint and Body Works, Inc., as a secondary contractor for an estimated annual expenditure including sales tax, of \$40,000

Funding

The expenditure is included in the Fleet Services Department budget.

BRIEFING PAPER
PIES Committee
Fleet Services
November 27, 2017

Subject

Fleet Services requests the approval of a two year renewal of the Value Blanket (VB) with Connell Oil (Spokane, WA) for lubricants.

Background

The Fleet Services Department purchases lubricants utilizing the Washington State Contract #02411 for City of Spokane Fleet Services through Connell Oil for the supply of lubricants. The estimated annual expenditure is \$150,000 including tax.

Impact

This VB allows the purchase of oils, grease, and other automotive lubricants to maintain the City of Spokane fleet and equipment.

Action

Recommend approval of \$300,000 (\$150,000 annually) for the renewal of the Value Blanket for the supply of automotive lubricants for two years.

Funding

Funding is available in the Fleet Services and affected department's budgets.

BRIEFING PAPER
PIES Committee
Fleet Services
November 27, 2017

Background

Fleet Services requests approval of a three-year value blanket (VB) with one, two year renewal. The VB will be with Washington Auto Carriage (Spokane, WA). Washington Auto Carriage is our local designated distributor for Wausau Snow Plow Parts which can only be purchased through a designated distributor or Wausau Direct. Pricing does not change by purchasing through Wausau direct. Estimated annual expenditure is \$75,000.00 including tax.

Impact

This VB will be utilized to procure snow plow parts on an “as needed” basis to that during the snow events the trucks/equipment are able to be kept running.

Action

Recommend approval.

Funding

Funds are available in the Fleet Services Department Budget

BRIEFING PAPER
Public Infrastructure Environment & Sustainability
Committee
Asset Management Group
November 27, 2017

Subject:

Right of Way Dedication and Front Avenue License agreements with Washington State University, providing right of way necessary for the construction of the U-District Pedestrian Bridge.

Background:

As part of the property acquisition process related to the construction of the U-District Pedestrian Bridge, the City of Spokane required property from Washington State University. This property was needed to provide the space required to locate the north end of the bridge and also provided sufficient area to transition from the bridge to the existing ground elevation while meeting ADA requirements. Washington State University agreed to provide the property needed for the project with the understanding that the City would offset lost parking spaces by granting a license for the use of Front Avenue east of East Spokane Falls Boulevard with permission to install public parking kiosks.

As described in the agreement, WSU has agreed to maintain 24/7 public access to this portion of Front Avenue for patrons of the adjoining business and visitors of the unimproved river overlook. WSU has also accepted responsibility for plowing, minor maintenance of the pavement, striping, and signage of this portion of Front Avenue. Per WSU's proposed signage plan, the lot will be open to public users at all hours by paying at the public kiosks.

These two agreements complete the exchange of property. The Right of Way Dedication agreement provides the right of way needed for the pedestrian bridge and the Front Avenue License provides the parking eliminated by the construction of the bridge.

Impact:

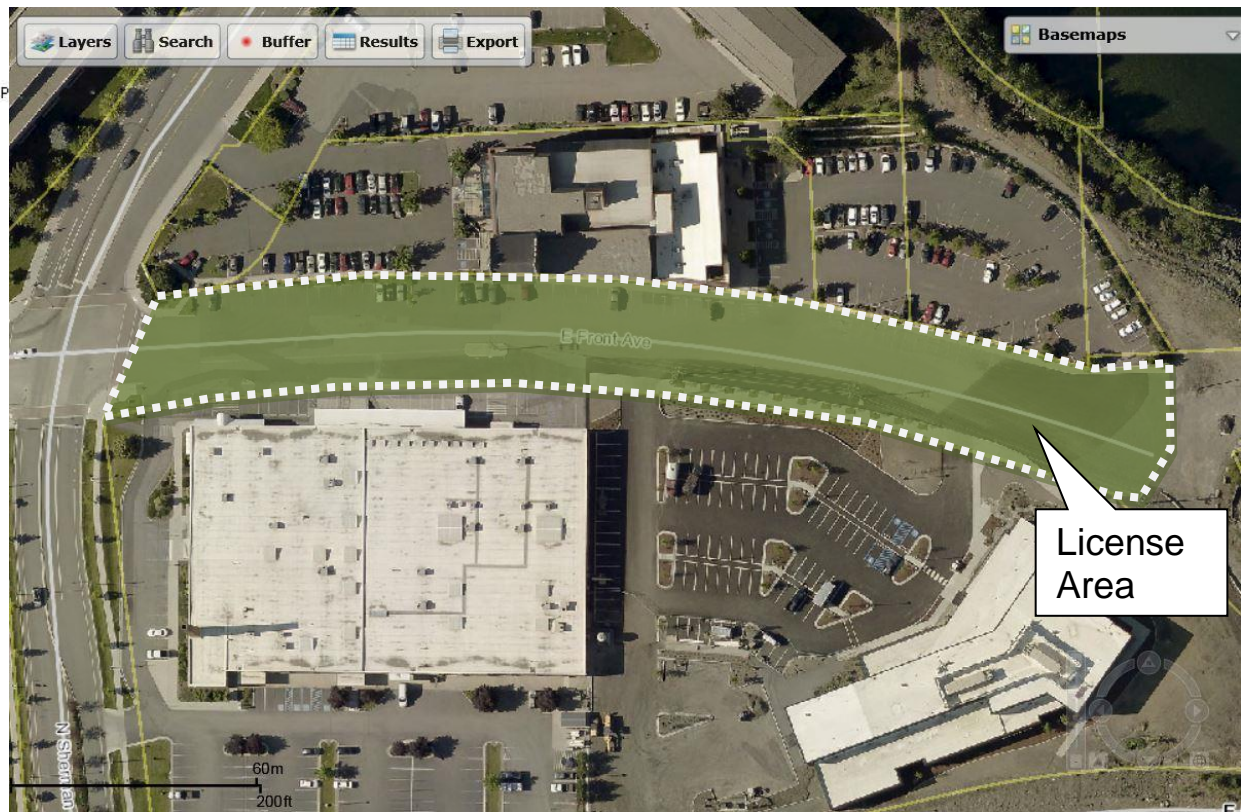
While Washington State University provided the City of Spokane with "Use and Possession" of the property needed to begin construction of the pedestrian bridge, these agreements complete the last of the property acquisitions related to the construction of the bridge.

Action:

WSU PROPERTY NEEDED FOR BRIDGE LANDING (APPROX. 62,500 s.f.)



FRONT AVENUE LICENSE AREA (APPROX. 52,500 s.f.)



For further information on this subject contact David Steere, Asset Management
625-6064

BRIEFING PAPER
Public Infrastructure, Environment and Sustainability
Committee
Solid Waste Collection
November 27, 2017

Subject

The Solid Waste Collections department does a monthly operating transfer to the Solid Waste Disposal department for tipping fees at the WTE plant. The budget for this fee has been based on estimated prior year tonnage. Due to an increase in 2017 tonnage the budget is short funding by 1.8 million dollars.

Background

The 2017 budget for operating transfers from the Solid Waste Collections to the Solid Waste Disposal department was based on 2017 projections of roughly 88,900 tons. As of October 2017, the tonnage collected and delivered is already 99,750 tons. This increase has expended the entire Operating transfer budget and is now using other line item funding. We are requesting an addition \$1,800,000.00 be moved from reserves to help cover these additional costs.

Impact

With the additional tonnage has come an additional revenue increase to the Solid Waste Collections Department.

Action

Recommend approval.

Funding

All funding for this will be from Solid Waste Collection Reserve.

ORDINANCE NO _____

An ordinance amending Ordinance No. C-35457, passed the City Council November 28, 2016, and entitled, "An ordinance adopting the Annual Budget of the City of Spokane for 2017, making appropriations to the various funds, departments, and programs of the City of Spokane government for the fiscal year ending December 31, 2017, and providing it shall take effect immediately upon passage", and declaring an emergency.

WHEREAS, subsequent to the adoption of the 2017 budget Ordinance No. C-35457, as above entitled, and which passed the City Council November 28, 2016, it is necessary to make changes in the appropriations of the General Fund, which changes could not have been anticipated or known at the time of making such budget ordinance; and

WHEREAS, this ordinance has been on file in the City Clerk's Office for five days; - Now, Therefore,

The City of Spokane does ordain:

Section 1. That in the budget of the Solid Waste Collection Fund, and the budget annexed thereto with reference to the Solid Waste Collection Fund, the following changes be made:

FROM:	4480-99999- 99999	Solid Waste Collections Unappropriated Reserves	<u>\$1,800,000</u>
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TO:	4500-45100- 97109-80101	Solid Waste Collections Operating Transfer Out - Disposal	<u>\$1,800,000</u>
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Section 2. It is, therefore, by the City Council declared that an urgency and emergency exists for making the changes set forth herein, such urgency and emergency arising from the need to provide an additional \$1,800,000 for the purpose of an operating transfer from the Solid Waste Collections Department to the Solid Waste Disposal Department due to increased tonnage processed in 2017; and because of such need, an urgency and emergency exists for the passage of this ordinance, and also , because the same makes an appropriation, it shall take effect and be in force immediately upon its passage.

Passed the City Council _____

Council President

Attest: _____
City Clerk

Approved as to form: _____
Assistant City Attorney

Mayor

Date

Effective Date

Briefing Paper

(Public Infrastructure, Environment & Sustainability)

Division & Department:	Office of Neighborhood Services
Subject:	Cycle 7 Neighborhood Council Traffic Calming Applications
Date:	11/15/17
Author (email & phone):	Kathleen Myers, kmyers@spokanecity.org , 509-625-6733
City Council Sponsor(s):	Breean Beggs, Candace Mumm, Mike Fagan
Executive Sponsor:	Heather Trautman
Committee(s) Impacted:	PIES
Strategic Initiative:	Innovative Infrastructure
Deadline:	11/15/17

Background/History: The Neighborhood Council Traffic Calming program is intended to:

- Slow vehicular travel speeds
- Reduce the frequency and severity of collisions
- Reduce the need for police enforcement
- Reduce residential cut-through motor vehicle travel patterns
- Increase safety for non-motorized street users
- Increase access for all modes of transportation
- Enhance the street environment

This community program is geared toward safety and designed to reduce red light violations and collisions throughout Spokane. Funding for this neighborhood program is expected to be available on an annual basis. The Photo Red cameras were implemented in 2008 and fund the installation of traffic calming mechanisms like, traffic control devices, pedestrian and physical improvements, physical roadway features, transportation studies and project designs.

Each year all 29 neighborhood councils have the opportunity to submit traffic calming applications within their neighborhood's designated boundary. This year each neighborhood council was allowed to submit up to three (3) applications (one arterial, one residential and a third of the neighborhood council's choice). This year's applications did not require a cost cap/limit, per the Council Subcommittee's decision to encourage more long term, larger scale projects that could be completed over a series of traffic calming cycles. This was also a decision to promote more collaboration with bordering neighborhoods, schools and businesses for a proposed project. A neighborhood can phase a project over multiple years, and if funds are available City Council may choose to fund an entire project. Spending on neighborhood traffic calming will be equal in each district over a three year period with a minimum of \$500,000 for traffic calming each year city wide. **All selected 2017 applications are scheduled for a 2019 construction date.**

Executive Summary: The Council Traffic Calming Subcommittee recommends the following projects by district. After briefing the full Council on all recommended projects City staff will take projects to a formal Council meeting for a resolution.

District 1

- Minnehaha: Cooper Elementary, Yellow Flashing School Zone Lights (School Related Project), \$36,000.
- Whitman: Helena & Olympic, Sidewalks to be infilled on Helena from Olympic Ave. to Crown Ave (School Related Project), \$110,000.
- Whitman: N. Side of East Sanson (Whitman Elementary) sidewalk project (School Related

Project), \$203,000.

Total Cost in District 1: \$349,000

District 2

- Comstock: 43rd & Arthur traffic circles - from 43rd three Traffic Circles, at the intersections of Garfield Street, Arthur Street and Ivory Street, \$250,000.
- Comstock: 29th & Grand – invest \$40,000 for a traffic study for this corridor, \$40,000.
- Grandview Thorpe: West side of “D” St. from 20th to 21st – Infill sidewalks, \$72,000.
- Lincoln Heights: 11th/17th & Fiske, Greenway Project (wayfinding signage, sharrows on Fiske Street and 17th Ave., marked crosswalk on the east leg of 17th Avenue and Fiske Street, \$24,000.
- Lincoln Heights: 35th Ave & Fiske Rd. – In-fill Sidewalks (School Related Project), \$48,000.
- Manito Cannon Hill: Bernard St. & 18th – Bumpouts for school crossing (School Related Project), \$48,000.
- Manito Cannon Hill: 25th & Manito Blvd – Marked crosswalk on south side of Manito Blvd. and 2 ADA ramps at each end of crossing, \$28,000.
- Rockwood: Rockwood Blvd. /Sherman Ave. – Speed feedback signs, \$22,000.
- Southgate: E. 44th Ave. & S. Freya St. – Speed feedback signs, \$22,000.

Total Cost in District 2: \$554,000

District 3

- Audubon/Downriver: D St. & G St. on NW Blvd. – Speed Feedback Signs, \$22,000.
- Audubon/Downriver: NW Belt St. at Shadle Center – Bike Lanes & Crosswalk (School Related Project), \$17,000.
- Emerson/Garfield: Public Montessori School – Signage, crosswalk & Bumpout (School Related Project), \$103,513.
- Five Mile Prairie: Strong Road & 5 Mile Rd., Asphalt Walking Path, \$187,000.
- North Hill: Lacross between Wall & Normandie (Clark Park) – In-Fill Sidewalks, \$80,000.
- North Hill: Monroe & Heroy – update school flashing system & crosswalk (School Related Project), \$20,500.
- Northwest: Browne Elementary – Replace the overhead flashing crosswalk lights with 20 MPH When Flashing lights, add 4 bumpouts at student crossing (School Related Project), \$165,970.
- Northwest: Wellesley between Ash & Alberta – Add Hawk light, and crosswalk with pedestrian-island between Cannon and Elm (School Related Project), \$275,000.
- Northwest: Central Between Ash & Alberta – Infill sidewalks, \$300,000.

Total Cost in District 3: \$1,170,983

Amount of Photo Red: \$1,047,000

Amount of School Radar: \$1,026,983

Total Cost for all recommended projects: \$2,073,983

Budget Impact:

Approved in current year budget? ☐ Yes ☒ No

Annual/Reoccurring expenditure? ☒ Yes ☐ No

Specify funding source: Photo Red/School Radar Fund

Operations Impact:

Consistent with current operations? ☒ Yes ☐ No

Requires change in current operations? ☐ Yes ☒ No

Specify operations change:

BRIEFING PAPER
Public Infrastructure, Environment & Sustainability Committee
Engineering Services
November 27, 2017

Subject:

CSO Basin 14/15 (2013212)

Background:

While a CSO project, this project involves separation of stormwater from the combined sewer system in underground swales. These underground swales will be installed beneath the sidewalk and planting strip (refer to first attached exhibit) in various areas of the west central neighborhood (refer to second attached exhibit). Underground swales were chosen to preserve existing parking and not create additional areas for City forces to maintain. The swale locations were selected based on street grades and volume of storage necessary, while preventing the elimination of existing trees.

Disturbed sidewalk will be replaced and new ADA ramps installed. Disturbed planting strips will be restored with sod which largely matches what presently exists, though many planting strips are currently marginally or not at all maintained by the property owners. Maintenance of planting strips will continue to be the responsibility of adjacent property owners. Trees are a critical part of the underground swale functionality so dozens of trees will be installed under guidance from Urban Forestry as a part of the project.

All proposed stormwater improvements will be below ground and invisible from the surface.

Impact

This project will require intermittent lane closures. Work on this project will occur in spring/summer/fall 2018.

Action

This project is on ad now with bids scheduled to open on December 4, 2017. We plan to put this project on council agenda shortly thereafter.

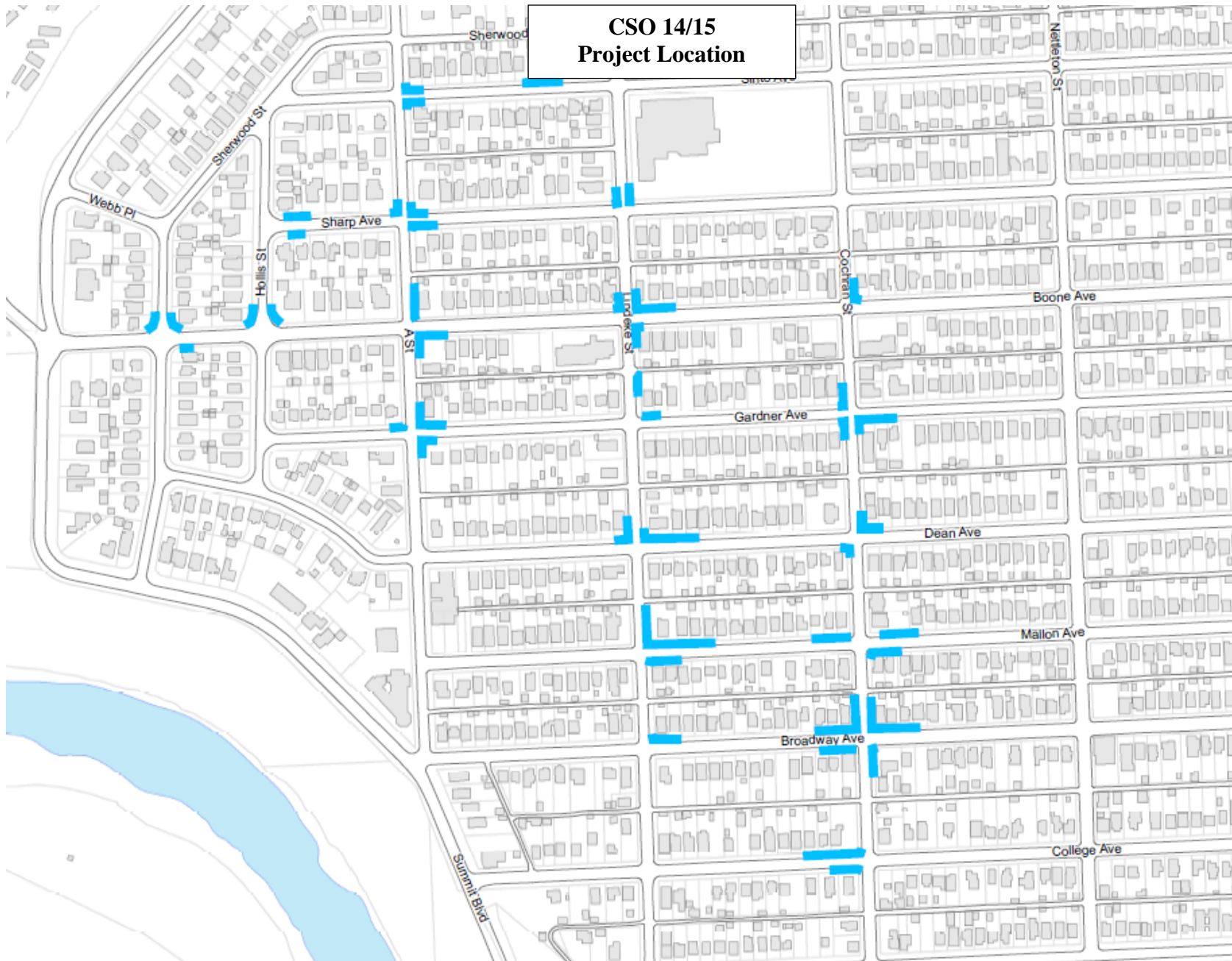
Funding

The engineer's estimate for this project is \$3.7M. This project is paid with local and state grant funds.

**CSO 14/15
Underground Swale
Cross Section**



**CSO 14/15
Project Location**



BRIEFING PAPER
Public Infrastructure, Environment & Sustainability Committee
Engineering Services
November 27, 2017

Subject:

CSO Basin 23 Control Facility (2010076)

Background:

CSO 23 consists of two small tanks at separate locations in Kendall Yards, one 30,000 gallon, the other 10,000 gallon, and associated piping as shown on the attached exhibit.

To avoid impacting Kendall Yards area public events held in the vicinity of Summit Boulevard/Cedar Street during the summer months, the work at Summit/Cedar must be completed first, before the end of May, 2018.

Impact

The proposed work has been closely coordinated with Greenstone and the nearby court of appeals. Work at CSO 23-1 (see exhibit) will close Cedar Street but two way Summit Boulevard traffic will be maintained. Work at CSO 23-2 will close Bridge Avenue and Ash Street in the vicinity of the project. Work on this project will occur in spring/summer/fall 2018.

Action

This project is on ad now with bids scheduled to open on December 4, 2017. We plan to put this project on council agenda shortly thereafter.

Funding

The engineer's estimate for this project is \$1.3M. This project is paid with local funds.



**CSO 23
Project Location**

**CSO 23-2: 30,000 Gal
tank & associated
piping**

**CSO 23-1: 10,000 Gal
tank & associated
piping**

BRIEFING PAPER
Public Infrastructure, Environment & Sustainability Committee
Engineering Services
November 27, 2017

Subject:

CSO 25 (2015178)

Background:

CSO 25 consists of an approximately 50,000 gal CSO tank in Main Ave. just east of Cedar St., and a stormwater separation project component consisting of installation of storm sewer piping and storage/treatment swales.

Also included in the project is replacement of existing 75+ year old CSO outfall piping in Cedar St. and installation of a 10' wide trail, the first component of the Peaceful Valley trail, as shown on the attached exhibit.

Impact

Work on this project will occur in spring/summer/fall 2018. During the project, most residents of Peaceful Valley will have to get to their homes from the west via Clarke Ave due to the substantial excavation that will occur in and to the east of the intersection of Main Ave./Cedar St..

Engineering Services and Integrated Capital Management have had numerous meetings with area residents discussing project impacts.

We've also worked closely with STA as this excavation significantly impacts their 20 bus route. STA is weighing several options for maintaining bus service to Peaceful Valley during construction.

Pedestrian access from Peaceful Valley to downtown will be maintained through the construction zone. The stairway to Riverside at the south end of Cedar St., currently closed due to CSO 24 (1st. & Adams) construction, will be reopened prior to closure of the Cedar/Main intersection.

Action

This project is on ad now with bids scheduled to open on 12-11-17. We plan to put this project on council agenda on 12-11-17 as a blank agenda item in order to permit the project to be awarded in 2017.

Funding

This project is paid with state grant and sewer department funds.

CSO 25 Tank & Stormwater Separation Project

Stormwater Treatment Swales

CSO 25 50,000 gal

Stormwater Separation Piping

Trail

Summit Blvd

W Main Ave

W Clark Ave

W Wilson Ave

W Riverside Ave

W 1st Ave

N Main St

N Walnut St

N Jefferson St

N Madison St

100m

400ft