




## LOWER PLATTE SOUTH natural resources district

3125 Portia Street | P.O. Box 83581 • Lincoln, Nebraska 68501-3581 | P: 402.476.2729 • F: 402.476.6454 | [www.lpsnrd.org](http://www.lpsnrd.org)  
**Memorandum**

**Date:** January 16, 2019  
**To:** Board of Directors  
**From:** Ed Ubben   
**Subject:** Urban Subcommittee Minutes

The Urban Subcommittee met on January 15, 2019 at the District office at 5:30 pm. There was two items on the agenda. Present at the meeting was Bruce Johnson, (Chair), Karen Amen, Bob Andersen, Mike DeKalb, Tom Green, Luke Petersen, Milt Schmidt and Anthony Shutz. There was a quorum. Staff present was; Paul Zillig, Jared Nelson, and Ed Ubben. Also present was Ray Stevens, Chairman of the Board.

- a. **Consider bids on the Deadmans Run Flood Reduction Project for Geotechnical Sampling.** Nelson stated that the District had a bid opening Monday afternoon, January 14<sup>th</sup> for geotechnical sampling for the Deadmans Run Flood Reduction Project. The work needs to be performed prior to any design and that the driller needs to get this work done while there is frost in the ground, as there is a number of the sites adjacent to UNL research grounds and we don't want to disturb them. The project was broke down to a unit price basis so we would have unit prices if additional sampling site are identified by the COE. He said we think we will need 20 test holes, but it may be one or two less or more. The project was advertised in the local paper, seven firms were sent notices of the project. Four firms asked for bid packages. In the end two firms submitted bids (see bid tab). Thiel Geotech, Inc. from Omaha was the low bidder at \$40,948.00. (See attachments.) **It was moved by DeKalb, seconded by Andersen, and unanimously approved by the subcommittee to recommend the Board of Directors approve the Geotechnical Services unit price bids from Thiel Geotech, Inc. in the amount of \$40,948.00, for the Deadmans Run Flood Reduction Project.**
  
- b. **Consideration of Amendment to Engineering Services Agreement with Intuition & Logic for Additional Services pertaining to permitting and construction services for South Salt Creek Master Plan Projects #3 and #4.** Zillig stated that when we contracted for Engineering Services on South Salt Creek #3 (Pioneers) & #4 (Old Cheney) we were planning the construction to happen at the same time, but obtaining a Section 404 Permit on SSC #4 was delayed. SSC #3 moved forward and is almost complete. Spending more time and resources obtaining the 404 Permit and only constructing one site caused us to use up our planned

construction administrative services budget. This contract amendment should get us through the project. (See attached letter, scope and fee worksheets.)

**It was moved by Andersen, seconded by DeKalb, and unanimously approved by the subcommittee to recommend the Board of Directors approve the amendment to Engineering Services Agreement with Intuition & Logic for additional services pertaining to permitting and construction services for South Salt Creek Master Plan Projects #3 & #4 in the amount not to exceed \$37,400.00, subject to legal counsel review.**

With no other business the meeting was adjourned at 6:20 pm.

## **REQUEST FOR PROPOSALS**

The Lower Platte South Natural Resources District (NRD) invites you to submit proposals for geotechnical services related to the soil boring, testing, and assessment of various locations along Deadmans Run, from Cornhusker Hwy to N 48<sup>th</sup> Street. The work is for the Deadmans Run Flood Reduction Project (Section 205 Project).

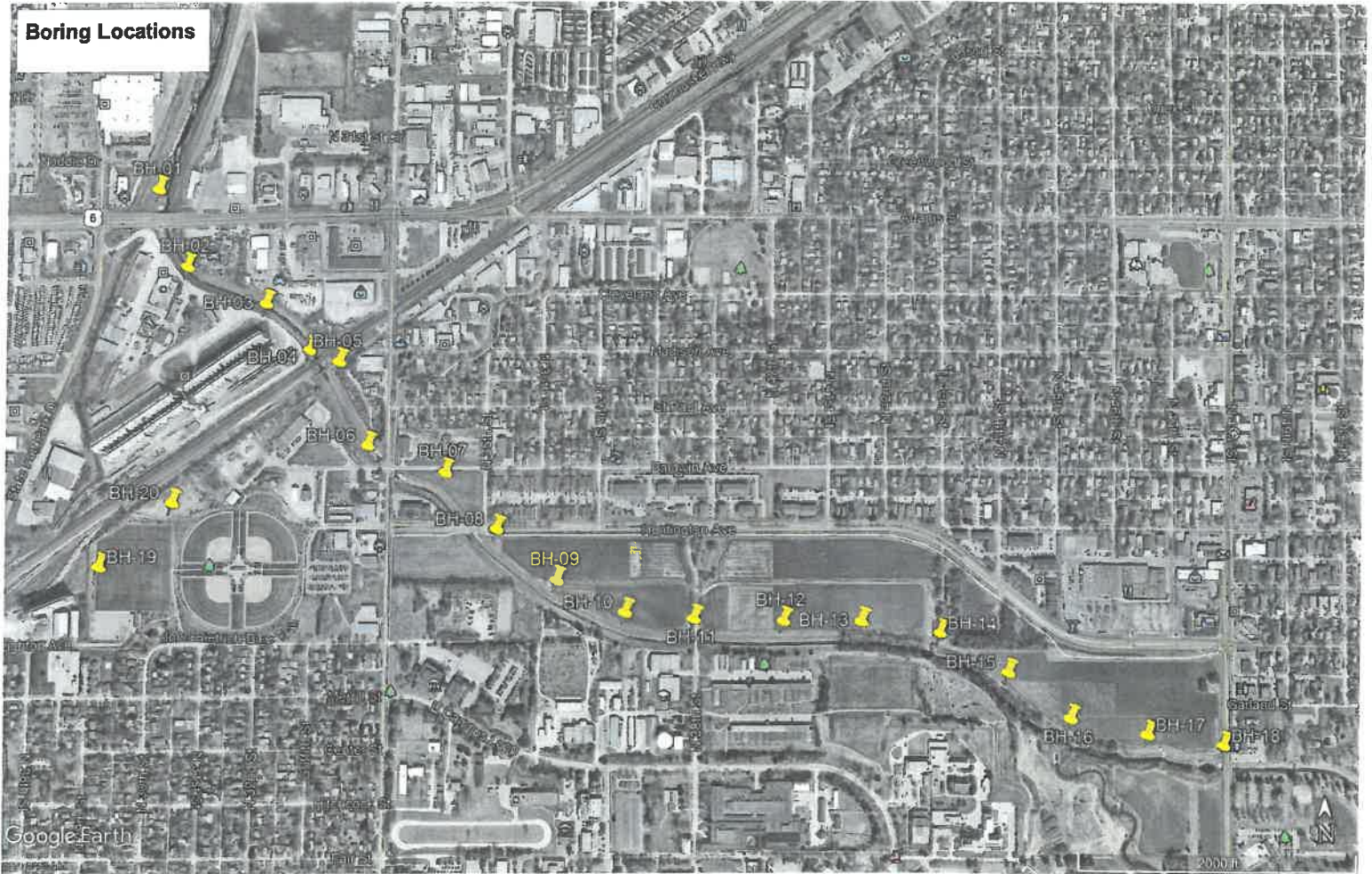
The proposed project includes: Twenty (20) borings of thirty-five (35) feet depth at various specific locations. Undisturbed samples to be collected from each boring, every 5 feet and change in material. Water content and Atterberg limits to be tested on 40% of the undisturbed samples. Standard Penetration Tests needed at 2.5 foot intervals to 10 feet, then at 5 foot intervals to bottom of boring. Borings to be backfilled, and various other lab tests conducted. Access will be provided. Field work to be completed by February 28, 2019.

Proposals shall be submitted listing unit price costs, based on the estimated number of units. Drilling instructions and testing requirements were provided by the U.S. Army Corps of Engineers for this project. For a bid packet, including a site map, drilling instructions, testing requirements, and additional information, please contact NRD District Engineer, Jared Nelson, [jnelson@lpsnrd.org](mailto:jnelson@lpsnrd.org)

Proposals will be received by the Lower Platte South NRD on or before 12:00 noon, Monday, January 14, 2019 in the NRD Office located at 3125 Portia Street, Lincoln, NE 68521.

Please publish December 26, 2018, and January 2, and 9, 2019

**Boring Locations**



**BID TABULATION - All Bidders**

**PROJECT: Deadmans Run Flood Reduction Project, Geotechnical Services for Lower Platte South Natural Resources District**

**LOCATION: Lincoln, NE**

**LETTING: 1/14/2019 12:00 PM CDT (Noon)**

Item No.	Item Description	Approx. Quantity	Unit	Thiele Geotech, Inc.		Olsson, Inc.	
				Unit Bid Price	Amount	Unit Bid Price	Amount
1	Soil Boring, including 24-hour groundwater readings, and backfill of boring using high solids bentonite grout or hydrated bentonite pellets	700	LF of Depth	\$31.10	\$21,770.00	\$32.00	\$22,400.00
2	Undisturbed samples collected from boring (at various depths per Drilling Instructions)	200	EA	\$0.00	\$0.00	\$20.00	\$4,000.00
3	Standard Penetration Test (in intervals per Drilling Instructions)	180	EA	\$0.00	\$0.00	\$18.00	\$3,240.00
4	Visual Engineering Soil Classification - ASTM D2488	200	EA	\$5.75	\$1,150.00	\$10.00	\$2,000.00
5	100-lb bulk samples collected from auger cuttings	2	EA	\$50.00	\$100.00	\$100.00	\$200.00
6	Water Content - ASTM D2216	80	EA	\$8.00	\$640.00	\$15.00	\$1,200.00
7	Atterberg Limit (Single Point) - ASTM D4318	80	EA	\$88.00	\$7,040.00	\$100.00	\$8,000.00
8	Standard Proctor (Soil) - ASTM D698 Method A or B	6	EA	\$173.00	\$1,038.00	\$200.00	\$1,200.00
9	Triaxial Compression, UU - ASTM D4767	6	EA	\$1,500.00	\$9,000.00	\$2,800.00	\$16,800.00
10	Sulfate Content (EPA Method) EPA 9056	3	EA	\$70.00	\$210.00	\$100.00	\$300.00
				<b>TOTAL:</b>	<b>\$40,948.00</b>	<b>TOTAL:</b>	<b>\$59,340.00</b>

**Agenda Item B: Consideration of Amendment to Engineering Services Agreement with Intuition & Logic for Additional Services pertaining to permitting and construction services for South South Creek Master Plan Projects #3 and #4. (See attached letter, scope and fee worksheets)**

Capital Improvement projects on South Salt Creek at Pioneers Blvd (SSC-3) and Old Cheney (SSC-4) had been identified in the South Salt Creek Master Plan done by the NRD and the City of Lincoln. The projects are for grade control, where nick points or head cuts were found. The District contracted with Intuition & Logic (I&L) to perform design, survey, geotechnical investigations, permitting and construction administration for the projects with Schemmer and Associates as sub-consultants in the amount of \$140,367.65. The projects are also identified in the Stormwater Interlocal Agreement Work Plan, with the City providing 50% of the cost. In addition, the County has entered into a contract with I&L to look at a bridge protection on both projects and the City of Lincoln Wastewater has coordinated their sewer expansion project with SSC-4 along Old Cheney. Interlocal agreements on project bidding, construction and maintenance between all parties were approved. The NRD was the lead on design for both NRD/city projects. The NRD was the lead on construction for SSC-3 and the city is the lead on construction bidding for SSC-4 with the NRD handling the permitting for both.


The intent and original contract was to design both projects and construct them together concurrently. After learning of the sewer expansion project along Old Cheney, much work was done to coordinate efforts into one more efficient project, but by doing so, the construction scheduling of SSC-3 and SSC-4 would be different and the two projects would need to be separated for some design, permitting and construction services. Project #3 has been designed, engineered and mostly constructed. Final construction (plantings) will take place this spring. The new sanitary sewer and SSC-4 construction is expected to begin in Spring 2019. Additional services are now needed to provide for construction services (observation) for SSC-4 beings most of the original budget was used on SSC-3. The attached letter, scope of services and fee worksheet describe the proposed construction services and the associated time and expenses to complete the services. City wastewater will provide construction services for their project and the county will pay for their portion of services.

The need for additional USACE 404 permitting services resulted from clearing and grubbing activity along Old Cheney Road for the proposed sanitary sewer and along Salt Creek top of bank for the SSC-4 project. The clearing was done by the City in an effort to save money and minimize habitat disturbance prior to migratory bird nesting season. In response to the clearing, the USACE required a new permit that quantified the impacts of the clearing. The additional services are for the investigations, analysis, permit resubmittal, meetings and communication associated with the new 404 permit. The letter and attached fee worksheet summarize the personnel hours and direct expense for this effort. The new permit was approved in November with no additional mitigation requirements.

Intuition & Logic is requesting a contract amendment in the amount of \$37,400 to cover additional services related to project site SSC-4. The amendment has two parts, the first part is for construction services in the amount of \$29,100.00 and the second part is for USACE 404 permitting services in the amount of \$8,300.00 for a combined total of \$37,400.00.

**Staff recommends the subcommittee to recommend the Board of Directors approve the amendment to Engineering Services Agreement with Intuition & Logic for additional services pertaining to permitting and construction services for South South Creek Master Plan Projects #3 and #4 in the amount not to exceed \$37,400.00, subject to legal counsel review.**

# INTUITION & N LOGIC

16253 Swingley Ridge Rd, Suite 100 St. Louis, MO 63017  
636-777-3000  [www.intuitionandlogic.com](http://www.intuitionandlogic.com)

January 7, 2019

Paul Zillig  
General Manager  
Lower Platte South Natural Resources District  
3125 Portia Street  
Lincoln, NE 68501-3581

Re: Modification to Intuition & Logic Engineering SSC3 and SSC4 Design Contract for Additional Construction Services

Dear Mr. Zillig:

Thank you again for the opportunity to provide engineering design services for the Lower Platte South Natural Resources District. Intuition & Logic Engineering is requesting a contract amendment in the amount of \$37,400 to cover additional services related to project site SSC4. The amendment has two parts, the first part is for construction services in the amount of \$29,100.00 and the second part is for US Army Corps of Engineers' (USACE) 404 permitting services in the amount of \$8,300.00 for a combined total of \$37,400.00.

The SSC3 and SSC4 design budget included construction services for both the SSC3 and SSC4 sites assuming they are constructed concurrently. By combining the SSC4 site with the construction of a new sanitary sewer along Old Cheney Road, the SSC4 site is no longer being constructed at the same time as SSC3. SSC3 construction started in the fall 2018 and is expected to be completed in the spring 2019. The new sanitary sewer and SSC4 construction is expected to begin after SSC3 construction is complete. The additional services are needed to provide part time on site construction observation during construction of SSC4. The attached scope of services and fee worksheet describe the proposed construction services and the associated time and expenses to complete the services.

The need for additional 404 permitting services resulted from clearing and grubbing activity along Old Cheney Road for the proposed sanitary sewer and along Salt Creek top of bank for the SSC4 project. The clearing was performed in an effort to save money and minimize habitat disturbance. Since the work was outside of the channel, it was thought that a permit would not be required. In response to the clearing, the USACE denied the SSC4 permit that was under review at the time and required a new permit that quantified the impacts of the clearing. The additional services are for the investigations, analysis, permit resubmittal, meetings and communication associated with the new permit. The attached fee worksheet summarizes the personnel hours by billing category and direct expense for this effort. The new permit was approved on November 28<sup>th</sup> with no additional mitigation requirements.

If you have any questions or would like additional information, please do not hesitate to call or email. I look forward to hearing from you.

Best regards,



Mark Meyer, PE, CFM  
President

It is by LOGIC that we prove  
but by INTUITION that we discover

## South Salt Creek 4 (SSC4) Construction Observation Scope of Services

### 1.0 Construction Services

Provide construction services for projects SCC #4 as the LPSNRD's representative as follows:

#### 1.1 Coordination with Lincoln Wastewater

I&L will communicate with Lincoln Wastewater and LPSNRD as needed during construction to respond to questions and/or discuss coordination between Lincoln Wastewater and LPSNRD facilities and construction activities.

#### 1.2 Pre-construction meetings

I&L shall attend a pre-construction meeting with the selected contractor to review the plans and construction process. I&L will coordinate with the LPSNRD to identify general discussion items such as working hours, noise regulations, mud regulations, SWPPP inspection plan and other general condition items from the construction documents.

#### 1.3 Construction observation

Provide construction observation services during construction as follows:

##### 1.3.1 On Site Construction Observation

A Project Representative (PR) shall be on site approximately 10 to 15 hours per week during active construction periods (assume 10 weeks) and the Project Engineer of Record shall be on site once during the active construction period. While on site, PR and Engineer shall provide observations and limited measurements as follows:

##### 1.3.1.1 Lines and Grades

PR will spot check slopes, limits of disturbance, excavation depths, and channel top and toe widths, among others against the project construction plans to check that the contractor is achieving the design lines and grades. PR will take notes and photos as needed to document measurements.

##### 1.3.1.2 Materials

PR will visually check the materials and quantities observed on site such as rock, fabric, plants, and others to check that they meet the project construction document requirements. Rock durability and resistance to weathering is not included in materials observation. PR will take notes and photos as needed to document observations.

##### 1.3.1.3 Schedule

PR will visually estimate construction progress against the construction schedule presented at the pre-construction meeting and discuss apparent discrepancies with the onsite construction manager.

##### 1.3.2 Construction Observation Memorandums

PR will summarize each construction observation site visit in a memorandum. The memo shall contain observations, notes, photos, conversation summaries and action items. The memos will be in PDF format and will be emailed to I&L the following business day.

##### 1.3.3 Shop Drawing Review / Request for Information

I&L shall receive, review and process shop drawings and requests for information as required and provide comments and indicate exceptions as appropriate.

##### 1.3.4 Change Order Processing

I&L shall receive, review, coordinate with the LPSNRD, and process change order requests as needed.

##### 1.3.5 Invoice Review and Payment Recommendations

I&L shall receive progress invoices from the contractor and compare the invoices to observed progress and associated observed % complete. I&L



## **South Salt Creek 4 (SSC4) Construction Observation Scope of Services**

shall concur or suggest modifications to invoices and provide the invoice review and recommendations to the LPSNRD. Review comments and recommendations will be in PDF format and emailed to the LPSNRD and Contractor.

### **1.3.6 Substantial Completion**

The contractor will notify the PR of substantial completion. The PR will verify substantial completion prior to the final walkthrough.

### **1.3.7 Final Walk Through and Punch List**

The Contractor will request the final walk through and punch list once the PR confirms they have reached substantial completion. I&L will schedule the final walk through with the LPSNRD and Contractor. During the final walk through, I&L will compile a punch list of items that were identified and discussed during the walk through. The punch list will be in PDF format and emailed to the LPSNRD and Contractor.

### **1.3.8 Punch List Completion**

Completion of punch list items will be tracked and confirmed by the PR.

**LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT - SOUTH SALT CREEK #4 CONSTRUCTION SERVICES**



Intuition LOGIC		Personnel Type/Title	PRINCIPAL	PROJECT MANAGER	ENGINEERING INTERN (EI)	Subtotal Hours	Subtotal Personnel Cost	Direct Expenses	Sub Consultant Expenses	Subtotal
		Personnel Billing Rate	150.00	125.00	85.00					
		<b>Construction Services</b>				0	\$ -			\$ -
		Construction Services				0	\$ -			\$ -
		Coordination with Lincoln Wastewater	16	8		24	\$ 3,400.00			\$ 3,400.00
		Pre-construction meetings				0	\$ -			\$ -
		Attend Meeting	16			16	\$ 2,400.00			\$ 2,400.00
1	\$ 500	Air Fair per round trip				0	\$ -	\$ 500.00		\$ 500.00
2	\$ 50	Rental Car per diem				0	\$ -	\$ 100.00		\$ 100.00
1	\$ 90	Hotel per diem, 1 rooms - 1 night				0	\$ -	\$ 90.00		\$ 90.00
2	\$ 50	Meals per diem				0	\$ -	\$ 100.00		\$ 100.00
		Construction observation				0	\$ -	\$ -		\$ -
		On Site Construction Observation				0	\$ -			\$ -
	1	Site Visits for I&L PE	16			16	\$ 2,400.00	\$ -		\$ 2,400.00
1	\$ 500	Air Fair per round trip				0	\$ -	\$ 500.00		\$ 500.00
2	\$ 50	Rental Car per diem				0	\$ -	\$ 100.00		\$ 100.00
1	\$ 90	Hotel per diem, 1 rooms - 1 night				0	\$ -	\$ 90.00		\$ 90.00
2	\$ 50	Meals per diem				0	\$ -	\$ 100.00		\$ 100.00
		Hours Schemmer PR construction services				0	\$ -	\$ -	\$ 14,250.00	\$ 14,250.00
	31	Hours Schemmer Senior Project Representative				0	\$ -	\$ -	\$ 4,030.00	\$ 4,030.00
	12	Hours Schemmer Project Manager				0	\$ -	\$ -	\$ 2,100.00	\$ 2,100.00
	4	Hours Schemmer Clerical				0	\$ -	\$ -	\$ 280.00	\$ 280.00
	1	Schemmer Milage				0	\$ -	\$ -	\$ 1,485.00	\$ 1,485.00
		Construction Observation Memos			12	12	\$ 1,020.00	\$ -		\$ 1,020.00
		Shop Drawing/Request for Information		4	1	5	\$ 585.00	\$ -		\$ 585.00
		Change Order Processing		4	1	5	\$ 585.00			\$ 585.00
		Invoice Review and Payment Recommendations	2		4	6	\$ 640.00			\$ 640.00
		Substantial Completion				0	\$ -	\$ -		\$ -
		Final Walk Through and Punch List	16			16	\$ 2,400.00	\$ -		\$ 2,400.00
1	\$ 500	Air Fair per round trip				0	\$ -	\$ 500.00		\$ 500.00
2	\$ 50	Rental Car per diem				0	\$ -	\$ 100.00		\$ 100.00
1	\$ 90	Hotel per diem, 1 rooms - 1 night				0	\$ -	\$ 90.00		\$ 90.00
2	\$ 50	Meals per diem				0	\$ -	\$ 100.00		\$ 100.00
		Punch List Completion	1	1	1	3	\$ 360.00			\$ 360.00
		<b>Subtotal =</b>	<b>67</b>	<b>17</b>	<b>19</b>	<b>103</b>	<b>\$ 13,790.00</b>	<b>\$ 2,370.00</b>	<b>\$ 22,145.00</b>	<b>\$ 38,305.00</b>
<b>Subtotal Hours</b>			<b>67.00</b>	<b>17.00</b>	<b>19.00</b>	<b>103.00</b>	<b>\$ 13,790.00</b>	<b>\$ 2,370.00</b>	<b>\$ 22,145.00</b>	<b>\$ 38,305.00</b>
<b>Subtotal Personnel Cost</b>			<b>\$10,050</b>	<b>\$2,125</b>	<b>\$1,615</b>					
<b>TOTAL (rounded) = \$ 38,300.00</b>										
76% LOWER PLATTE SOUTH NRD Portion = \$ 29,100.00										
24% LANCASTER COUNTY Portion = \$ 9,200.00										

**LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT - SSC4 404 PERMIT ADDITIONAL SERVICES**



Personnel Type/Title		Mark Meyer	Tim Dean	Josi Gass	John Fingerhut	Subtotal Hours	Subtotal Personnel Cost	Direct Expenses	Subtotal
<b>Personnel Billing Rate</b>		150.00	125.00	85.00	85.00				
<b>Old Cheney Nationwide Permit</b>						0	\$ -		\$ -
SSC4 Permit Timesheet Entries April 10 through November 27, 2018 - See Attached SSC4 404 PERMIT ADDITIONAL SERVICES TIMESHEET ENTRIES table						0	\$ -		\$ -
		12.5	35.75	18.75	3.25	70.25	\$ 8,213.75		\$ 8,213.75
1	\$ 100 Printing and mailing permit documents					0	\$ -	\$ 100.00	\$ 100.00
						0	\$ -		\$ -
<b>Subtotal =</b>		<b>12.5</b>	<b>35.75</b>	<b>18.75</b>	<b>3.25</b>	<b>70.25</b>	<b>\$ 8,213.75</b>	<b>\$ 100.00</b>	<b>\$ 8,313.75</b>
<b>Subtotal Hours</b>		<b>12.50</b>	<b>35.75</b>	<b>18.75</b>	<b>3.25</b>	<b>70.25</b>	<b>\$ 8,213.75</b>	<b>\$ 100.00</b>	<b>\$ 8,313.75</b>
<b>Subtotal Personnel Cost</b>		<b>\$1,875</b>	<b>\$4,469</b>	<b>\$1,594</b>	<b>\$276</b>				
<b>Additional Services (rounded) = \$</b>									<b>8,300.00</b>