LEHI CITY
CITY COUNCIL AGENDA
February 9, 2016

Consent Agenda: Approval of Purchase Orders

INFORMATION:

Company	Description	P O Amount	Budget Amt (before PO)
Codale Electric Supply, Inc.	Primary 4/0 Wire 220 Mil	$86,802.42	$3,660,196.49
Codale Electric Supply, Inc.	Primary 1/0 Wire 220 Mil	$76,200.00	$3,660,196.49
A/C Excavation Inc.	New double primary circuit, rendezvous	$119,368.25	$175,000.00
Hansen Allen & Luce, Inc.	Water System Optimization Study	$79,500.00	$96,932.39
S & L Inc.	Construction of Ivory Ridge Park	$2,391,400.00	$2,383,919.55
Sage Government Solutions	Addition to existing lobby contract	$25,000.00	$50,000.00

PURCHASE ORDER

LEHI CITY CORPORATION

153 NORTH 100 EAST
LEHI UT 84043

THIS ORDER NUMBER MUST APPEAR ON YOUR INVOICE

4511

EST 1852
LEHI CITY
PIONEERING UTAH'S FUTURE

6625
ISSUED TO: CODALE ELECTRIC SUPPLY, INC.
P.O. BOX 740525

LOS ANGELES CA 90074-0525

SHIP TO: POWER
560 W GLEN CARTER DRIVE
LEHI UT 84043

DEPARTMENT:

PURCHASE ORDER DATE: 01/28/2016

REQ #	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL	GL ACCOUNT
0	1.00	PRIMARY 4/0 WIRE 220 MIL	86,802.42	86,802.42	53-1415

TOTAL 86,802.42

Department Head

Council Approval

4511

Lehi City Purchase Requisition Request

Supplier	**Name**	Codale Electric Supply		**Vender #**	**6625**
	Street	362 south Commerce Loop		**Date**	**1/25/2016**
	City	Orem	**State**	Utah	
	Zip	84058	**Phone**	801-724-3000	

POWER	53-14-15	
Requesting Department	**Dept. Account No.**	**Department Head Signature**

Quanity	Unit	Materials and Description	Price	Total
30,781'		PRIMARY 4/0 WIRE 220 MIL	$2.82	$86,802.42
		Total		$86,802.42

Justification:	Price Determination	
IN STOCK AT CODALE OREM, UTAH	Verbal Quote	
ANIXTER-KERITE $2.75 3-4 WKS	Informal Bid	
ANIXTER-SOUTHWIRE $2.52 3-4 WKS	Written Bid	*
	State Bid	
PRIMARY WIRE FOR SUBDIVISIONS AND	Other	
COMMERCIAL DEVELOPMENTS		

(3,660,196.49)

Serviced By: 5225 WEST 2400 SOUTH
SALT LAKE CITY, UT 84120
Phone # : 801-975-7300

** Acknowledgement **
Order #: S5593804
P/O #: 4/0 OKONITE
Release#:
Page #: 1

Bill To:
LEHI CITY POWER
153 NORTH 100 EAST
ATTN:PENNY JENSEN
LEHI, UT 84043

Ship To:
LEHI CITY POWER/ SHOPS
560 WEST GLENN CARTER DRIVE
LEHI, UT 84043

Ord-Date	Ship-Date	Writer	Terms	Ship Via	Ordered By
01/26/16	01/26/16	JENSTE	NET 30 DAY	203AM PROVO NO	KENNY

Ship Br:1 Slsman Phone
Prc Br:2 MCPGRE 801-768-7100
Freight
Billable

Ord Qty	Product Description	Unit Price	Net
2610ea	OKONITE 162-23-3081 4/0 (19X) ALUMINUM 15KV URD EPR 1/3 NEUTRAL 220MIL 133% INSULATION CONCENTRIC JACKETED NEUTRAL FILLED STRAND	2.820	7360.20
2616ea	OKONITE 162-23-3081 4/0 (19X) ALUMINUM 15KV URD EPR 1/3 NEUTRAL 220MIL 133% INSULATION CONCENTRIC JACKETED NEUTRAL FILLED STRAND	2.820	7377.12
2625ea	OKONITE 162-23-3081 4/0 (19X) ALUMINUM 15KV URD EPR 1/3 NEUTRAL 220MIL 133% INSULATION CONCENTRIC JACKETED NEUTRAL FILLED STRAND	2.820	7402.50
2530ea	OKONITE 162-23-3081 4/0 (19X) ALUMINUM 15KV URD EPR 1/3 NEUTRAL 220MIL 133% INSULATION CONCENTRIC JACKETED NEUTRAL FILLED STRAND	2.820	7134.60
2517ea	OKONITE 162-23-3081 4/0 (19X) ALUMINUM 15KV URD EPR 1/3 NEUTRAL 220MIL 133% INSULATION CONCENTRIC JACKETED NEUTRAL FILLED STRAND	2.820	7097.94
2584ea	OKONITE 162-23-3081 4/0 (19X) ALUMINUM 15KV URD EPR 1/3 NEUTRAL 220MIL 133% INSULATION CONCENTRIC	2.820	7286.88
	Subtotal Thru Page # 1 ----		43659.24

Serviced By: 5225 WEST 2400 SOUTH
SALT LAKE CITY, UT 84120
Phone # : 801-975-7300

** Acknowledgement **
Order #: S5593804
P/O #: 4/0 OKONITE
Release#:
Page #: 2

Bill To:
LEHI CITY POWER
153 NORTH 100 EAST
ATTN:PENNY JENSEN
LEHI, UT 84043

Ship To:
LEHI CITY POWER/ SHOPS
560 WEST GLENN CARTER DRIVE
LEHI, UT 84043

Ord-Date	Ship-Date	Writer	Terms	Ship Via	Ordered By
01/26/16	01/26/16	JENSTE	NET 30 DAY	203AM PROVO NO	KENNY
	Ship Br:1	Slsman	Phone		Freight
	Prc Br:2	MCPGRE	801-768-7100		Billable

Ord Qty	Product Description	Unit Price	Net
	JACKETED NEUTRAL FILLED STRAND		
2625ea	OKONITE 162-23-3081 4/0 (19X)	2.820	7402.50
	ALUMINUM 15KV URD EPR 1/3 NEUTRAL		
	220MIL 133% INSULATION CONCENTRIC		
	JACKETED NEUTRAL FILLED STRAND		
2570ea	OKONITE 162-23-3081 4/0 (19X)	2.820	7247.40
	ALUMINUM 15KV URD EPR 1/3 NEUTRAL		
	220MIL 133% INSULATION CONCENTRIC		
	JACKETED NEUTRAL FILLED STRAND		
2580ea	OKONITE 162-23-3081 4/0 (19X)	2.820	7275.60
	ALUMINUM 15KV URD EPR 1/3 NEUTRAL		
	220MIL 133% INSULATION CONCENTRIC		
	JACKETED NEUTRAL FILLED STRAND		
2512ea	OKONITE 162-23-3081 4/0 (19X)	2.820	7083.84
	ALUMINUM 15KV URD EPR 1/3 NEUTRAL		
	220MIL 133% INSULATION CONCENTRIC		
	JACKETED NEUTRAL FILLED STRAND		
2512ea	OKONITE 162-23-3081 4/0 (19X)	2.820	7083.84
	ALUMINUM 15KV URD EPR 1/3 NEUTRAL		
	220MIL 133% INSULATION CONCENTRIC		
	JACKETED NEUTRAL FILLED STRAND		
2500ea	OKONITE 162-23-3081 4/0 (19X)	2.820	7050.00
	ALUMINUM 15KV URD EPR 1/3 NEUTRAL		

	Subtotal Thru Page # 2 ----		86802.42

Serviced By: 5225 WEST 2400 SOUTH
SALT LAKE CITY, UT 84120
Phone # : 801-975-7300

** Acknowledgement **
Order #: S5593804
P/O #: 4/0 OKONITE
Release#:
Page #: 3

Bill To:
LEHI CITY POWER
153 NORTH 100 EAST
ATTN:PENNY JENSEN
LEHI, UT 84043

Ship To:
LEHI CITY POWER/ SHOPS
560 WEST GLENN CARTER DRIVE
LEHI, UT 84043

Ord-Date	Ship-Date	Writer	Terms	Ship Via	Ordered By
01/26/16	01/26/16	JENSTE	NET 30 DAY	203AM PROVO NO	KENNY
	Ship Br:1	Slsman	Phone		Freight
	Prc Br:2	MCPGRE	801-768-7100		Billable

Ord Qty	Product Description	Unit Price	Net
	220MIL 133% INSULATION CONCENTRIC JACKETED NEUTRAL FILLED STRAND		
	ORDER TOTAL		86802.42
	Invoice Amount		86802.42

PURCHASE ORDER

LEHI CITY CORPORATION

153 NORTH 100 EAST
LEHI UT 84043

THIS ORDER NUMBER MUST APPEAR ON YOUR INVOICE

4512

EST 1852
LEHI CITY
PIONEERING UTAH'S FUTURE

6625
ISSUED TO: CODALE ELECTRIC SUPPLY, INC.
P.O. BOX 740525

LOS ANGELES CA 90074-0525

SHIP TO: POWER
560 W GLEN CARTER DRIVE
LEHI UT 84043

DEPARTMENT:

PURCHASE ORDER DATE: 01/28/2016

REQ #	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL	GL ACCOUNT
0	1.00	PRIMARY 1/0 WIRE 220 MIL	76,200.00	76,200.00	53-1415

TOTAL 76,200.00

Department Head

Council Approval

4512

Lehi City Purchase Requisition Request

Supplier	**Name**	Codale Electric Supply		**Vender #**	**6625**
	Street	362 south Commerce Loop		**Date**	**1/25/2016**
	City	Orem	**State**	Utah	
	Zip	84058	**Phone**	801-724-3000	

POWER	53-14-15	
Requesting Department	**Dept. Account No.**	**Department Head Signature**

Quanity	Unit	Materials and Description	Price	Total
30,000'		PRIMARY 1/0 WIRE 220 MIL	$2.54	$76,200.00
		Total		$76,200.00

Justification:	Price Determination	
IN STOCK AT CODALE OREM, UTAH	Verbal Quote	
ANIXTER-KERITE-$2.46 3-4WKS	Informal Bid	
ANIXTER-SOUTHWIRE-$2.35 3-4 WKS	Written Bid	*
	State Bid	
PRIMARY WIRE FOR SUBDIVISIONS AND	Other	
COMMERCIAL DEVELOPMENTS		

(3,660,196.49)

Serviced By: 5225 WEST 2400 SOUTH
SALT LAKE CITY, UT 84120
Phone # : 801-975-7300

** Acknowledgement **
Order #: S5593297
P/O #: 1/0 OKONITE
Release#:
Page #: 1

Bill To:
LEHI CITY POWER
153 NORTH 100 EAST
ATTN:PENNY JENSEN
LEHI, UT 84043

Ship To:
LEHI CITY POWER/ SHOPS
560 WEST GLENN CARTER DRIVE
LEHI, UT 84043

Ord-Date	Ship-Date	Writer	Terms	Ship Via	Ordered By
01/26/16	01/29/16	JENSTE	NET 30 DAY	203AM PROVO NO	KENNY
	Ship Br:1	Slsman	Phone		Freight
	Prc Br:2	MCPGRE	801-768-7100		Billable

Ord Qty	Product Description	Unit Price	Net
30000ea	OKONITE 163-23-3072 1/0 (19X) ALUMINUM 15KV URD EPR FULL NEUTRAL 220MIL 133% INSULATON FILLED STRAND URO-J 12-X-2500-FT REELS	2.540	76200.00
	ORDER TOTAL		76200.00
	Invoice Amount		76200.00

PURCHASE ORDER

LEHI CITY CORPORATION

153 NORTH 100 EAST
LEHI UT 84043

THIS ORDER NUMBER MUST APPEAR ON YOUR INVOICE

4513

EST 1852
LEHI CITY
PIONEERING UTAH'S FUTURE

587140

ISSUED TO: A/C EXCAVATION INC
1584 WEST 900 NORTH

LEHI UT 84043

SHIP TO: LEHI CITY CORPORATION
153 NORTH 100 EAST
LEHI UT 84043

DEPARTMENT:

PURCHASE ORDER DATE: 01/28/2016

REQ #	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL	GL ACCOUNT
0	1.00	NEW DOUBLE PRIMARY CIRCUT. RENDEZVOUS	119,368.25	119,368.25	53-50-53-000

TOTAL 119,368.25

Department Head

Council Approval

4513

Lehi City Purchase Requisition Request

Supplier Name	A/C Excavation
Street	
City	Lehi
State	Utah
Zip Code	84043
Phone	801.420.3081

Vendor #	
Date	**1/6/2016**

Power — Requesting Department

53-50-53-000 — **Dept. Account No.**

Department Head Signature
Joel Eves, Director

Quanity	Unit	Materials and Description	Price	Total
1	job	New Double Primary Circuit, Rendezvous	$119,368.25	$119,368.25
		(See attached Bid Schedule)		$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
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				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
				$0.00
			Total	**$119,368.25**

Justification:

The Power Department requested bids from five contractors with utilities work experience and proven track records of successful completion of similar tasks. Four of the five bidders were responsive. We have reviewed the proposals and find them in compliance with the scope outlined. Therefore, Power Department recommends award to the apparent low bidder, A/C Excavation in the amount of $46,300.00. This project is critical in providing power to the Thanksgiving Point area, and 2100 North.

Price Determination

Verbal Quote	
Informal Bid	
Written Bid	X
State Bid	
Other	

175,000.00

A/C EXCAVATION INC
ARIK NELSON - 801-420-3081

Bid Schedule

New Primary Circuits, Rendezvous Underground

Between 1200 W. Bull River Substation & Digital Drive

	Item		Description	Units	qty	unit $	Line $
		New Primary Circuits, Rendezvous Underground					
	1		Mob/Demob	job	1.00	$750.00	$750.00
	2		Trenching 6' depth (open area)	LF	3,380.00	$4.00	$13,520.00
	3		Trenching 3' depth (lighting only)	LF	0.00		
	4		Conduit 6" in-place (horizontal)	LF	6,140.00	$3.00	$18,420.00
	5		Rigid 90 w/ Bushings PVC riser & Conc.	Ea	31.00	$500.00	$15,500.00
	6		Rigid 45 w/ Bushings	Ea	4.00	$500.00	$2,000.00
	7		Rigid 22.5 w/ Bushings	Ea	0.00		
	8		Conduit 3" Secondary in-place	LF	4,425.00	$2.25	$9,956.25
	9		PVC 90 & 3" misc fittings in-place	Ea	37.00	$16.00	$592.00
	10		Conduit 2" Spare req'd, in-place	LF	3,490.00	$1.00	$3,490.00
	11		PVC 90 & 2" misc fittings in-place	Ea	20.00	$25.00	$500.00
	12		Ground Rods, 5/8" x 8ft in-place	Ea	28.00	$25.00	$700.00
	13		Equipment Base Prep/Install	Ea	15.00	$800.00	$12,000.00
	14		Secondary Junction Box, Installed	Ea	17.00	$220.00	$3,740.00
	15		Light Pole Foundation/Pier w/ bolts	Ea	0.00		
	16		Street Light, Pole & Fixture, in-place	Ea	0.00		
	17		Bedding material, Marking in-place	LF	3,500.00	$2.00	$7,000.00
	18		Back-fill & compact native material	LF	3,240.00	$4.00	$12,960.00
	19		Trenching, road X (open area)	LF	30.00	$20.00	$600.00
	20		Trenching, road X (1200 West)	LF	56.00	$20.00	$1,120.00
	21		Trenching, road X (Digital Drive)	LF	56.00	$20.00	$1,120.00
	22		Back-fill, Compact Eng. Fill	LF	260.00	$20.00	$5,200.00
	23		Paving, road X (1200 W. + Digital)	LF	112.00	$25.00	$2,800.00
	24		Stub 4" PVC w/ 90 & 10' stub	Ea	12.00	$300.00	$3,600.00
	25		Stub 6" PVC to continue circuits	Ea	4.00	$600.00	$2,400.00
	26		Stub 3" PVC to continue lighting	Ea	4.00	$250.00	$1,000.00
	27		Stub 2" Spare Req'd to continue	Ea	4.00	$100.00	$400.00
	28		Subtotal				
	29		G&A, Overhead	percent			
	30		Contingencies	job			
	31		Profit	percent			
	32		Total (Task Total)				$119,368.25

Sorensen Companies, Inc.

Estimating Department
4135 West 8370 South
West Jordan, Utah, 84088
Phone: (801) 282-0000, Fax: (801) 260-1136

"We guarantee the best solution for each individual Customer"

Date: 12/31/2015

To: LEHI POWER

Attn: GLADE KIRKHAM

Project: RENDEVOUS UNDERGROUND

Sorensen Construction Inc. proposes to furnish all supervision, labor, material and equipment necessary to complete the following:

SCI WILL TRENCH APPROX. 3,380 WHILE PLACING (2) 6" CONDUITS AND (1) 2" CONDUIT FOR THAT LENGTH. IN ADDITION (1) 3" CONDUIT WILL BE PLACED FOR APPROX. 2,275' ALSO IN THE SAME TRENCH. ALL TRENCHES THAT ARE NOT IN THE ROAD WAY WILL BE BACKFILLED WITH THE NATIVE MATERIAL AS WELL AS BEDDED WITH 10' OF SAND. SCI WILL ALSO BEING PREPPING BASES FOR THE SWITCHGEARS WHICH INCLUDES DIGGING A 6' DEEP X 7' WIDE X 7' LONG. ONCE THE PIT IS DUG SCI WILL INSTALL ALL ELBOWS ASSOCIATED WITH THAT SWITH PER THE PROVIDED DRAWINGS AND SCOPE. ONCE THE 90'S ARE PLACED SCI WILL BACKFILL WITH SELECT FILL AND COMPACT. SCI WILL NOT BE RESPONSIBLE FOR ANY CONCRETE PADS OR THE SWITHGEARS THEMSELF. SCI WILL ALSO BE INSTALLING GROUND RODS IN THESE BASES. SCI WILL ALSO BE INSTALLING (17) SECONDARY JUNCTINO BOXES THAT ARE 15" X 15' JUNCITON BOXES. ANY AREAS THAT ARE TRENCHED IN THE ROAD WAY WILL BE BACKFILLED WITH SELECT FILL AND COMPACTED TO LEHI CITY SPEC PER PROVIDED SOW. SCI WILL RESTORE ALL ASPHALT BACK TO IT'S ORIGINAL CONDITION. NO OTHER RESTORATION IS INCLUDED IN THIS BID WITH THE EXCPETION OF NATIVE MATERIAL BEING BACKFILLED. SCI WILL ALSO BE RESPONSIBLE FOR FUTURE STUB OUTS (12) 10' 4" STUBS, (4) 6" 10' STUBS, (4) 3" 10' STUBS AND (4) 2" 10' STUBS. ALL STUBS WILL BE BURIED AND THE LOCATION WILL BE COMMUNICATED TO LEHI POWER. ALL 6" ELBOWS WILL BE RIGID ELBOWS WRAPPED IN CORROSION TAPE ALL OTHERS WILL BE PVC. ALL CONDUIT PLACE WILL ALSO BE SCHEDULE 40 PVC. THIS BID INCLUDES ALL TRAFFIC CONTROL ASSOCIATED WITH ALL WORK PERFORMED BY SCI. SCI ASSUMES ALL PERMITS THROUGH THE CITY OF LEHI WILL BE NO COST PERMITS. IF SCI IS CHARGED FOR ANY PERMITS SCI RESERVES THE RIGHT TO NEGOTIATE A CHANGE ORDER. SCI WILL HAVE 60 DAYS FROM THE NOTICE TO PROCEED TO COMPLETE ALL WORK. HOWEVER SCI WILL NOT BE HELD LIABLE FOR DAYS IF THERE IS A HOLD UP FROM LEHI POWER AS WELL AS ANYTHING ELSE OUT OF SCI'S CONTROL.

Client Number	Description	Bid item Qua	Unit	Unit Price	Bid item Total
	TRENCHING 6' DEEP OPEN AREA	3,380.000	LF	$6.65	$22,477.00
	6" CONDUIT IN PLACE	6,140.000	LF	$4.30	$25,402.00
	RIGID 90 W/ BUSHINGS PVC RISER AND CONCRETE	20.000	EA	$620.00	$13,220.00
	6" RIGID 45 W/ BUSHINGS	4.000	EA	$610.00	$2,440.00
	3" CONDUIT IN PLACE (SECONDARY)	2,275.000	LF	$1.75	$3,981.25
	3" PVC 90	27.000	EA	$29.00	$1,073.00
	2" SPARE CONDUIT IN PLACE	3,490.000	LF	$1.90	$3,141.00
	2" PVC CONDUITS IN PLACE	20.000	EA	$35.00	$600.00
	5/8" GROUND RODS	28.000	EA	$77.00	$2,156.00
	EQUIPMENT BASE PREP INSTALL	15.000	EA	$1,000.00	$15,000.00
	SECONDARY JUNCTION BOX INSTALLED	17.000	EA	$375.00	$6,375.00
	BEDDING MATERIAL 7" WARNING TAPE	3,500.000	LF	$1.79	$6,266.00
	BACK FILL & COMPACT NATIVE MAT	3,247.000	LF	$1.56	$5,064.40
	TRENCHING ROAD (OPEN AREA)	30.000	LF	$15.75	$472.50
	BORING 1400 W	95.000	LF	$100.00	$9,500.00
	TRENCHING ROAD (DIGITAL DRIVE)	95.000	LF	$10.00	$972.00
	BACKFILL & COMPACT ENG. FILL	260.000	LF	$14.00	$3,640.00
	PAVING ROAD 1400 W & DIGITAL DR	111.000	LF	$22.75	$2,843.00
	STUB PVC 4" WITH 90 AND 10' STUB	12.000	EA	$120.00	$1,440.00
	STUB PVC 3" TO CONTINUE BY OTHERS	4.000	EA	$125.00	$500.00
	STUB PVC 2" TO CONTINUE LIGHTING	4.000	EA	$110.00	$440.00

133,465.15

ELTON CONSTRUCTION

BID PROPOSAL
No

Bill Elton
651 West 2100 North
Lehi, Utah 84043

Bus: (801) 768-3974
Cell: (801) 362-0045
Fax: (801) 768-0544

Date 1/4/2016

Phone No 801-833-3068

Name LEHI CITY POWER

Email ~~Fax No~~ GKIRKHAM@LEHI-UT.GOV

Address ATT GLADE KIRKHAM

Job No

Job Address 1200W BULL RIVER SUBSTATION @ DIGITAL DRIVE Rendezvous

Bid Item	Quantity	Description	Unit Cost	Amount
		SEE ATTACHED SHEET 1 & 2		

Terms: Payment for all labor or materials shall be due by the 10th of the month. Interest shall be charged thereafter at the rate of 2% per month. Buyer agrees to pay all costs, including attorney's fees in a reasonable amount, if this account is referred to an attorney for collection. (24% annual percentage rate on all past-due account)

TOTAL 149,096.70

Customer's Signature X ______________________

Bid Schedule

New Primary Circuits, Rendezvous Underground

Between 1200 W. Bull River Substation & Digital Drive

SCHEDULE K

	Item		Description	Units	qty	unit $	Line $
			New Primary Circuits, Rendezvous Underground				
	1		Mob/Demob	job	1.00		$1,250.00
	2		Trenching 6' depth (open area)	LF	3,380.00	$4.40	$14,872.00
	3		Trenching 3' depth (lighting only)	LF	0.00		
	4		Conduit 6" in-place (horizontal)	LF	6,140.00	$6.32	$39,173.20
	5		Rigid 90 w/ Bushings PVC riser & Conc.	Ea	31.00	$482.50	$14,957.50
	6		Rigid 45 w/ Bushings	Ea	4.00	$407.50	$1,630.00
	7		Rigid 22.5 w/ Bushings	Ea	0.00		
	8		Conduit 3" Secondary in-place	LF	2,275.00	$3.80	$8,645.00
	9		PVC 90 & 3" misc fittings in-place	Ea	37.00	$32.44	$1,200.28
	10		Conduit 2" Spare req'd, in-place	LF	3,490.00	$2.61	$9,108.90
	11		PVC 90 & 2" misc fittings in-place	Ea	20.00	$32.50	$650.00
	12		Ground Rods, 5/8" x 8ft in-place	Ea	28.00	$21.58	$604.24
	13		Equipment Base Prep/Install	Ea	15.00	$1,103.00	$16,545.00
	14		Secondary Junction Box, Installed	Ea	17.00	$409.00	$6,953.00
	15		Light Pole Foundation/Pier w/ bolts	Ea	0.00		
	16		Street Light, Pole & Fixture, in-place	Ea	0.00		
	17		Bedding material, Marking in-place	LF	3,500.00	$2.50	$8,750.00
	18		Back-fill & compact native material	LF	3,240.00	$4.70	$15,228.00
	19		Trenching, road X (open area)	LF	30.00	$16.67	$500.10
	20		Trenching, road X (1200 West)	LF	56.00	$128.58	$7,200.48
	21		Trenching, road X (Digital Drive)	LF	56.00	$128.58	$7,200.48
	22		Back-fill, Compact Eng. Fill	LF	112.00	$44.84	$5,022.08
	23		Paving, road X (1200 W. + Digital)	LF	112.00	$96.00	$10,752.00
	24		Stub 4" PVC w/ 90 & 10' stub	Ea	12.00	$182.00	$2,186.40
	25		Stub 6" PVC to continue circuits	Ea	4.00	$100.00	$400.00
	26		Stub 3" PVC to continue lighting	Ea	4.00	$77.42	$309.68
	27		Stub 2" Spare Req'd to continue	Ea	4.00	$69.28	$277.12
	28		Subtotal				$173,415.26
	29		G&A, Overhead	percent			
	30		Contingencies	job			
	31		Profit	percent			
	32		Total (Task Total)				

Statement of Work

Lehi Power

Date: 13 Dec. 2015

Location: Near 1200 West Digital Drive.

Circuit/Feeder: 5.14 Bull River CB-14

Task: New Circuits, Rendezvous Underground

Phase: New Circuits 5.14/Top

Project: Winter FY-16

General Overview:

Lehi City Power Department has need for a contractor to provide labor, equipment, and select fill earth materials for trenching; and to install conduit, ground rods, and equipment pads in association with construction of two primary distribution circuits. The project requires approximately ***5,800 feet*** of trenching and associated conduit installation. Work also includes backfill, marking, compaction, and placement of concrete equipment pads with ground rods. The contractor shall be responsible to understand the project scope, requirements and the standards and codes governing the work.

Scope:

The work includes underground segments of 3-phase primary power distribution lines. (See attached Map/Plan). Beginning at approximately 1200West 2600 North, provide trenching and materials as shown on the attached drawing, for 2,750 ft. of double circuit (two (2) 6 inch conduits) to the new intersection at Digital Drive. The scope includes crossing 1200 West.

The scope includes the 6 inch conduit and equipment for the two (2) main primary circuits along Slipstream Avenue, and Elastomer Avenue. Also provide conduit stubs for road crossings to the distribution switches and ground-sleeve sectionalizer locations as shown. Provide 3 inch conduit for street lighting as shown. A 2 inch diameter "spare" conduit is required at all conduit runs per Lehi Power Standards.

Continue one circuit South-East along Digital Drive approximately 500 feet to a point near E4-J03; crossing Digital Drive to connect at the "Javelina Bore" Task (E4-J41). Also continue North-West with the second circuit along Digital Drive approximately 205 feet to a new GS/S & Stub-out to connect to the "Ferrell Bore" Task.

Requirements:

Work shall be in compliance with the project drawings, details and specifications, as well as established codes, industry standards and best practices. Contractor shall be licensed, insured, bonded and experienced in excavation and utilities work. Any discrepancies in the project documents shall be brought to the attention of the project engineer for clarification.

All trenching, bedding, backfill and compaction shall be in accordance with Lehi City Standards and the project drawings. All backfill in the road right-of-way shall be engineered fill. Backfilled trenches in the road right-of way shall be compacted to 95% maximum dry density as determined by AASHTO standard T-99. Backfill at all equipment (sectionalizers, transformers, domes, etc. shall be engineered fill compacted to 95% maximum dry density as determined by AASHTO standard T-99. Backfill in trenches not in the roadway or beneath equipment may be backfilled and compacted with the native material excavated.

Responsibilities:

The contractor shall be responsible for his own Storm Water Protection Plan (SWPP) and its implementation. The contractor shall be responsible for all safety issues related to the work in this scope, including, but not limited to trench shoring and personnel safety. The contractor is also responsible for a Traffic Safety Plan and its implementation. The contractor shall notify Blue-Stakes prior to the work commencing, and only proceed after marking is complete. The Contractor is responsible for any encroachment permits and all compaction testing.

The contactor is responsible to supply and place 6 inch diameter pvc conduit for primary power distribution, plus a 2 inch diameter pvc conduit "spare" in with each trench and conduit run. All 6 inch diameter 90 degree bends shall be long-sweep galvanized steel, wrapped with pvc corrosion protective tape. A 3 inch conduit will be placed as shown along Slipstream Avenue and Elastomer Avenue to accommodate street lighting circuits. Telecommunications may be run in the same trench in accordance with Lehi Power Standards.

Lehi Power will provide the required equipment bases. Lehi Power will provide construction staking/markings for the trench work and for sectionalizers and switches. Ground rods, marking tape, earth materials (bedding sand & engineered fill) and all conduit shall be provided by the contractor.

Inspections:

All conduits in trenches must be inspected by the Power Department prior to back-fill. Any field adjustments to provide clearance from existing utilities or other obstructions must be authorized by the Power Department inspector or project engineer.

Coordination/Period of Performance:

This task is worked in conjunction with several other tasks. The contractor shall coordinate his work to align, fit, match and sequence with the other related tasks. Connecting tasks include:

- New Circuit 5.14 Tie-in at sectionalizer E4-J2_ near Bull River Substation
- Intercept and tie-in switch for "Top Circuit"
- Connection to "Javelina Bore" Task
- Connection to "Ferrell Bore" Task

The period of performance for this task is ***60 days*** from notice to proceed.

Please see attached Bid Schedule. Bids Due 04 January 2015 5:00 pm by e-mail (gkirkham@lehi-ut.gov) or hard copy to Lehi Power, 560 W. Glen Carter Drive.

PURCHASE ORDER

LEHI CITY CORPORATION

153 NORTH 100 EAST
LEHI UT 84043

THIS ORDER NUMBER MUST APPEAR ON YOUR INVOICE

4514

EST 1852
LEHI CITY
PIONEERING UTAH'S FUTURE

590005
ISSUED TO: HANSEN ALLEN & LUCE, INC.
6771 S 900 E

MIDVALE UT 84047

SHIP TO: LEHI CITY CORPORATION
153 NORTH 100 EAST
LEHI UT 84043

DEPARTMENT:

PURCHASE ORDER DATE: 02/03/2016

REQ #	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL	GL ACCOUNT
0	1.00	WATER SYSTEM OPTIMIZATION STUDY	79,500.00	79,500.00	51-40-31-000

TOTAL 79,500.00

Department Head

Council Approval

4514

LEHI CITY PURCHASE REQUISITION REQUEST

Supplier

Name Hansen Allen & Luce, Inc.
Street 6771 South 900 East
City Midvale **State** UT
Zip 84047 **Telephone** 801-566-5599

Vendor _____

Date Jan. 13, 2016

Water	51-40-31-000	
Requesting Department	**Department Account Numbers**	**Department Head Signature**

Quantity	Unit	Materials and Description	Price	Total
1		Water System Optimization Study	$79,500.00	$79,500.00
				$79,500.00

JUSTIFICATION: Study to analyze culinary and secondary water systems for energy efficiency, hydraulic performance and water quality.

Price Determination	
Verbal Quote	
Informal Bid	
Written Bid	x
State Bid	
Other	

96,932.39

The Water Optimization Study project is being bid as a sole-source Professional & Technical Services Contract. Hansen, Allen & Luce (HAL) are experts in water system optimization. They have developed this unique service and refined its techniques through extensive professional practice. As a result, their clients have achieved significant energy cost savings as well as improvements in water quality and level of service. No other firm can claim the same level of expertise or success in this specialty.

For this reason, HAL is frequently selected through sole-source procurement. The following is a selected list of organizations that have chosen HAL sole-source specifically for optimization and hydraulic modeling:

- Blanding
- Bluffdale
- Cascade Energy
- Eagle Mountain
- Idaho Power
- Jordan Valley Water Conservancy District
- Kearns Improvement District
- Magna
- Riverton
- Rocky Mountain Power
- Sandy
- Spanish Fork
- Springville
- Utah Division of Drinking Water
- Washington Terrace

In addition, because of their expertise in this area, HAL was invited to contribute to the Division of Drinking Water's recent "Energy Savings Handbook."

In 2015, HAL won three awards directly related to optimization, including "Energy Innovator of the Year" from Gov. Herbert.

HANSEN ALLEN & LUCE inc
ENGINEERS

SALT LAKE AREA OFFICE
6771 SOUTH 900 EAST
MIDVALE, UTAH 84047
PHONE: (801) 566-5599
FAX: (801) 566-5581
www.hansenallenluce.com

David Norman, P.E.
Lehi City
2538 N. 300 W.
Lehi, UT 84043

January 5, 2016

Subject: Water System Optimization Study

Dear Dave:

Hansen, Allen & Luce (HAL) appreciates this opportunity to complete a Water System Optimization Study for Lehi City (the City). We propose to analyze your culinary and secondary water systems for energy efficiency, hydraulic performance, and water quality, and to recommend operational and capital improvements to optimize them.

We propose an optimization study with the following scope and budget. Our estimated fee is $79,500. You may wish to add, remove, or modify tasks to better meet your needs.

SCOPE OF WORK

Task A—Data Collection and Review

Objective:

- Gather and review data needed for the study.

Statement of Work:

- Work with City personnel to obtain data, including:
  - GIS data (already received)
  - Current water master plan or similar document(s)
  - Water use (past 3 years)
  - Energy use or expense (past 3 years)
  - Pump data (curves, power, flows)
  - Well data (water levels, pump depths, power, size, controls, rates or volumes)
  - Water source data (wells, springs, wholesale, etc.)
  - SCADA data and controls
  - Chlorine and fluoride dosing rates and locations
  - Peak-day operating procedures
- Organize and review data.

Task B—Hydraulic Model Preparation

Objective:

- Prepare calibrated extended-period hydraulic models of the culinary and secondary water systems.

Statement of Work:

- Prepare network models from current GIS data.
- Allocate demands spatially (geocoding).
- Allocate demands temporally (diurnal curve).
- Meet with City to discuss and understand system operations and controls.
- Add water quality data to the models.
- Add energy and water cost data to the models.
- Calibrate models to observed SCADA data.
- Review models with City.

Task C—Water Use Analysis

Objective:

- Understand City's water use in terms of who, where, when, and how much.

Statement of Work:

- Analyze spatial distribution of water use
- Analyze monthly distribution of water use
- Analyze daily distribution of water use
- Analyze historic water use trends
- Analyze water use by type (residential, industrial, commercial, etc.)

Task D—Hydraulic Performance Analysis

Objective:

- Analyze current system operation and recommend improvements.

Statement of Work:

- Complete a mass balance to understand flows among sources, pressure zones, tanks, and water users.
- Address City questions about level of service.
- Analyze current operations and determine potential improvements. This may include identifying transmission bottlenecks, extreme pressures, redundant pumping, and inefficient storage use.

Task E—Water Quality Analysis

Objective:

- Use the model to analyze current water quality under various conditions. Develop recommendations to optimize water quality.

Statement of Work:

- Use the model to simulate current water quality under various conditions.

- Use the model to address City personnel's water quality questions and issues. This may include modeling chlorine residual, water age, disinfection byproducts, arsenic, and sampling locations.
- Analyze system facilities to determine recommendations for improving water quality and water treatment.

Task F—Energy Analysis

Objective:

- Use the model to analyze current energy (electricity) use in the system under various conditions. Develop recommendations to improve energy efficiency and/or reduce energy costs.

Statement of Work:

- Use the model to understand and simulate current energy use in the system under various conditions.
- Determine the energy intensity of each water source or facility (energy map).
- Use the model to address City personnel's energy questions and issues. This may include pump design, SCADA controls, operations, and start/stop procedures.
- Analyze system facilities and energy map to determine recommendations for improving energy efficiency.

Task G—Alternatives Selection

Objective:

- Prepare a list of recommendations identified during previous tasks, identify and analyze alternatives, and select the preferred recommendations.

Statement of Work:

- Prepare a list of all recommendations developed during the study.
- Meet with City personnel to review recommendations and to discuss alternatives. Screen alternatives based on feasibility, potential benefit, public acceptance, etc., and select alternatives for further analysis.
- Compare alternative plans based on conceptual costs, maintenance requirements, operational costs, public acceptability, and other criteria the City chooses.
- Meet with City staff to review the comparison data for alternatives and select the preferred recommendations
- Prepare cost estimates for preferred alternatives.
- Assess funding opportunities.

Task H—Documentation

Objective:

- Document the study effort.

Statement of Work:

- Prepare draft reports that document the methodologies, data, results, recommendations and information of the previous tasks.
- Review the draft reports with the City.
- Receive comments and revise the draft reports.
- Prepare and deliver final reports.

Task I—Public Involvement

Objective:

- Support the City in public involvement for the project as needed.

Statement of Work:

- As needed, prepare for, attend, or otherwise support the City in up to three public meetings or tasks related to public involvement in the project.

Task J—Hydraulic Model Training

Objective:

- Ensure that the City is prepared for long-term ownership of the hydraulic models.

Statement of Work:

- Deliver hydraulic models and provide up to 16 hours of training.

COST ESTIMATE AND SCHEDULE

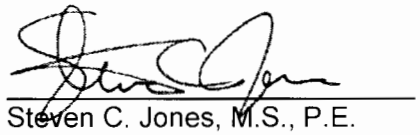
We propose to complete the work on a time-and-materials basis with a not-to-exceed contract amount. We anticipate completing the proposed work within six months of authorization. The following table summarizes our cost estimate.

Task	Task Name	Fee Estimate
A	Data collection and review	$2,100
B	Hydraulic model preparation	$15,400
C	Water use analysis	$1,300
D	Hydraulic performance analysis	$15,900
E	Water quality analysis	$6,800
F	Energy efficiency analysis	$10,500
G	Alternatives selection	$8,000
H	Documentation	$13,200
I	Public involvement	$3,800
J	Hydraulic model training	$2,600
	Total	**$79,500**

We appreciate this opportunity and are prepared to begin work when the City is ready. We invite you to contact us if you have any questions about our proposal.

Sincerely,

HANSEN, ALLEN & LUCE, INC.



Steven C. Jones, M.S., P.E.
Principal

HAL PROPOSAL SPREADSHEET

		BASE COST HR							UNIT COST		
		$172.00	$147.50	$126.90	$128.30	$116.70	$99.20	$89.60	$6.00	$0.65	$1.00
10 %	Contingency										
5 %	Billing Period 2 - Projected Rate Increase										

CLIENT: **Lehi City**

PROJECT: Water System Optimization

Phase	Task #	Task Activity	Billing Period	HOURS: Principal RMN/MEA	Manging Prof	Sr Prof II SC/	Sr Prof I	Prof II	Prof I RBS/KMS/RTC	PEI NAT	Total Hours	Labor Costs	Communications Office Expense	Miles Travel	Direct Expense	Expense Cost	Total HAL Cost	Outside Expense	COMMENT
A	**DATA COLLECTION AND REVIEW**																		
	100	Work with City to gather needed data	1			2.2			8.8	2.2	13.2	$1,371.36	$79.20			79.20	$1,450.56		
	101	Organize and review data	1						4.4	2.2	6.6	$631.60	$39.60			39.60	$673.20		
	102		1								0	$0.00	$0.00			0.00	$0.00		
	199	Quality Control (QC) / Quality Assurance (QA)	1								0	$0.00	$0.00			0.00	$0.00		
		SUBTOTAL HOURS/UNITS		0	0	2.2	0	0	13.2	4.4	19.8			0	0				
		SUBTOTAL		$0.00	$0.00	$307.18	$0.00	$0.00	$1,529.44	$394.24		$2,304.86	$118.80	$0.00	$0.00	$118.80	$2,123.66	$0.00	Outside / Subconsultant Costs
B	**HYDRAULIC MODEL PREPARATION**																		
	200	Prepare network models from current GIS data	1			2.2			44.0		46.2	$4,665.98	$277.20			277.20	$4,943.18		
	201	Allocate demands spatially (geocoding)	1						17.6		17.6	$1,745.92	$105.60			105.60	$1,851.52		
	202	Allocate demands temporally (diurnal curve)	1						8.8	2.2	11	$1,073.08	$66.00			66.00	$1,139.08		
	203	Meet with City to discuss and understand system operations and controls	1			4.4			4.4		8.8	$1,038.84	$52.80	55		98.55	$1,137.39		
	204	Add water quality data to the models	1						2.2		2.2	$218.24	$13.20			13.20	$231.44		
	205	Add energy and water cost data to the models	1						4.4		4.4	$436.48	$26.40			26.40	$462.88		
	206	Calibrate models to observed SCADA data	1			2.2			33.0	4.4	39.6	$3,969.22	$237.60			237.60	$4,206.82		
	207	Review models with City	1			4.4			4.4		8.8	$1,038.84	$52.80			52.80	$1,091.64		
	208		1								0	$0.00	$0.00			0.00	$0.00		
	299	Quality Control (QC) / Quality Assurance (QA)	1	2.2							2.2	$378.40	$13.20			13.20	$391.60		
		SUBTOTAL HOURS/UNITS		2.2	0	13.2	0	0	118.8	6.6	140.8			55	0				
		SUBTOTAL		$378.40	$0.00	$1,907.28	$0.00	$0.00	$11,794.96	$591.36		$14,961.92	$844.80	$35.75	$0.00	$880.55	$15,842.35	$0.00	Outside / Subconsultant Costs
C	**WATER USE ANALYSIS**																		
	300	Analyze spatial distribution	1						2.2		2.2	$218.24	$13.20			13.20	$231.44		
	301	Analyze monthly distribution	1						2.2		2.2	$218.24	$13.20			13.20	$231.44		
	302	Analyze daily distribution	1						2.2		2.2	$218.24	$13.20			13.20	$231.44		
	399	Quality Control (QC) / Quality Assurance (QA)	1	2.2							2.2	$378.40	$13.20			13.20	$391.60		
		SUBTOTAL HOURS/UNITS		2.2	0	0	0	0	9.9	0	11			0	0				
		SUBTOTAL		$378.40	$0.00	$0.00	$0.00	$0.00	$870.96	$0.00		$1,251.36	$66.00	$0.00	$0.00	$66.00	$1,317.36	$0.00	Outside / Subconsultant Costs
D	**HYDRAULIC PERFORMANCE ANALYSIS**																		
	400	Prepare mass balances	1			4.4			26.4	6.6	37.4	$3,812.60	$224.40			224.40	$4,037.00		
	401	Address City questions and issues re: level of service	1			8.8			17.6	6.6	33	$3,542.00	$198.00			198.00	$3,740.00		
	402	Analyze models and mass balances for performance improvements	1			22.0			44.0		66	$7,376.60	$396.00			396.00	$7,772.60		
	403		1								0	$0.00	$0.00			0.00	$0.00		
	499	Quality Control (QC) / Quality Assurance (QA)	1	2.2							2.2	$378.40	$13.20			13.20	$391.60		
		SUBTOTAL HOURS/UNITS		2.2	0	35.2	0	0	88	13.2	138.6			0	0				
		SUBTOTAL		$378.40	$0.00	$4,878.88	$0.00	$0.00	$8,729.60	$1,182.72		$15,169.60	$831.60	$0.00	$0.00	$831.60	$15,941.20	$0.00	Outside / Subconsultant Costs
E	**WATER QUALITY ANALYSIS**																		
	500	Simulate water quality with models (chlorine, age, Trihlag)	1			4.4			8.8	4.4	17.6	$1,869.16	$105.60			105.60	$1,975.16		
	501	Address City's questions and issues re: water quality	1			4.4			6.6		11	$1,257.08	$66.00			66.00	$1,323.08		
	502	Analyze models for water quality improvements	1			8.8			17.6		26.4	$2,952.64	$158.40			158.40	$3,109.04		
	503		1								0	$0.00	$0.00			0.00	$0.00		
	599	Quality Control (QC) / Quality Assurance (QA)	1	2.2							2.2	$378.40	$13.20			13.20	$391.60		
		SUBTOTAL HOURS/UNITS		2.2	0	17.6	0	0	33	8.8	49.2			0	0				
		SUBTOTAL		$378.40	$0.00	$2,409.44	$0.00	$0.00	$3,273.60	$788.24		$6,849.68	$343.20	$0.00	$0.00	$343.20	$6,788.88	$0.00	Outside / Subconsultant Costs
F	**ENERGY EFFICIENCY ANALYSIS**																		
	600	Simulate/calculate current energy use	1			2.2			8.8	2.2	13.2	$1,371.36	$79.20			79.20	$1,450.56		
	601	Prepare energy maps	1			2.2			13.2		15.4	$1,619.62	$92.40			92.40	$1,703.02		
	602	Address City's questions and issues re: energy	1			6.6			8.8		15.4	$1,776.62	$92.40			92.40	$1,868.90		
	603	Analyze energy maps and models for efficiency improvements	1			11.0			33.0		44	$4,779.62	$264.00			264.00	$5,043.50		
	604		1								0	$0.00	$0.00			0.00	$0.00		
	699	Quality Control (QC) / Quality Assurance (QA)	1	2.2							2.2	$378.40	$13.20			13.20	$391.60		
		SUBTOTAL HOURS/UNITS		2.2	0	22	0	0	63.8	4.4	96.2			0	0				
		SUBTOTAL		$378.40	$0.00	$3,211.80	$0.00	$0.00	$8,325.96	$197.12		$9,919.28	$541.20	$0.00	$0.00	$541.20	$10,457.48	$0.00	Outside / Subconsultant Costs
G	**ALTERNATIVES SELECTION**																		
	700	Prepare list of recommendations from previous tasks	1			2.2			6.6	2.2	11	$1,153.22	$66.00			66.00	$1,219.02		
	701	Meet with City to review/screen recommendations	1			4.4			4.4		8.8	$1,038.84	$52.80	55		98.55	$1,137.39		
	702	Compare alternatives on cost, O&M, ROI, and City criteria	1			4.4			8.8	2.2	15.4	$1,672.44	$92.40			92.40	$1,764.84		
	703	Meet with City to review comparison and select preferred alternatives and schedules	1			4.4			4.4		8.8	$1,038.84	$52.80	55		98.55	$1,137.39		
	704	De-prog cost estimates for preferred alternatives	1			4.4			8.8		13.2	$1,475.32	$79.20			79.20	$1,554.52		
	705	Assess funding opportunities	1			2.2			4.4		6.6	$737.66	$39.60			39.60	$777.26		
	706		1								0	$0.00	$0.00			0.00	$0.00		
	799	Quality Control (QC) / Quality Assurance (QA)	1	2.2							2.2	$378.40	$13.20			13.20	$391.60		
		SUBTOTAL HOURS/UNITS		2.2	0	22	0	0	37.4	4.4	66			110	0				
		SUBTOTAL		$378.40	$0.00	$3,211.80	$0.00	$0.00	$3,710.28	$394.24		$7,694.52	$396.00	$71.50	$0.00	$467.50	$7,362.02	$0.00	Outside / Subconsultant Costs
H	**DOCUMENTATION**																		
	800	Prepare draft reports	1			4.4			17.6		31.4	$3,240.76	$458.40			458.40	$3,729.16		
	801	Review drafts with City	1			4.4			4.4		8.8	$1,038.84	$52.80			52.80	$1,091.64		
	802	Receive comments and revise drafts	1			2.2			8.8		11	$1,174.14	$66.00			66.00	$1,240.14		
	803	Prepare and deliver final reports	1			4.4			6.6		11	$1,257.36	$66.00			66.00	$1,323.08		
	804		1								0	$0.00	$0.00			0.00	$0.00		
	899	Quality Control (QC) / Quality Assurance (QA)	1	4.4							4.4	$756.80	$26.40			26.40	$783.20		
		SUBTOTAL HOURS/UNITS		4.4	0	15.4	0	0	36.3	0	116.6			0	0				
		SUBTOTAL		$756.80	$0.00	$2,108.26	$0.00	$0.00	$9,602.16	$0.00		$12,467.62	$699.60	$0.00	$0.00	$699.60	$13,167.22	$0.00	Outside / Subconsultant Costs
I	**PUBLIC INVOLVEMENT**																		
	900	Support the City in hearings, council meetings, presentations, etc. related to the project	1	2.2		13.2			13.2		28.6	$3,494.92	$171.60	165		278.85	$3,773.77		
	901		1								0	$0.00	$0.00			0.00	$0.00		
	999	Quality Control (QC) / Quality Assurance (QA)	1								0	$0.00	$0.00			0.00	$0.00		
		SUBTOTAL HOURS/UNITS		2.2	0	13.2	0	0	13.2	0	28.6			165	0				
		SUBTOTAL		$378.40	$0.00	$1,907.28	$0.00	$0.00	$1,309.44	$0.00		$3,494.92	$171.60	$107.25	$0.00	$278.85	$3,773.77	$0.00	Outside / Subconsultant Costs
J	**HYDRAULIC MODEL TRAINING**																		
	1000	Provide hydraulic model training	1			17.6					17.6	$2,409.44	$105.60	55		141.35	$2,550.79		
	1001		1								0	$0.00	$0.00			0.00	$0.00		
	1002		1								0	$0.00	$0.00			0.00	$0.00		
	1099	Quality Control (QC) / Quality Assurance (QA)	1								0	$0.00	$0.00			0.00	$0.00		
		SUBTOTAL HOURS/UNITS		0	0	17.6	0	0	0	0	17.6			55	0				
		SUBTOTAL		$0.00	$0.00	$2,409.44	$0.00	$0.00	$0.00	$0.00		$2,409.44	$105.60	$35.75	$0.00	$141.35	$2,550.79	$0.00	Outside / Subconsultant Costs
XI	**SUBTASK TITLE 11**																		
		SUBTOTAL HOURS/UNITS		0	0	0	0	0	0	0	0			0	0				
		SUBTOTAL		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	Outside / Subconsultant Costs
		TOTAL HOURS BY EMPLOYEE		19.8	0	158.4	0	0	475	35.2									

PHASE	TASK	Labor Costs	Direct Exp Cost	Subtotal	Subconsultant Costs	SubTotal
A	DATA COLLECTION AND REVIEW	$2,004.86	$118.80	$2,123.66	$0.00	$2,123.66
B	HYDRAULIC MODEL PREPARATION	$14,761.90	$680.55	$15,442.35	$0.00	$15,442.35
C	WATER USE ANALYSIS	$1,251.36	$66.00	$1,317.36	$0.00	$1,317.36
D	HYDRAULIC PERFORMANCE ANALYSIS	$15,109.60	$831.60	$15,941.20	$0.00	$15,941.20
E	WATER QUALITY ANALYSIS	$6,455.68	$343.20	$6,798.88	$0.00	$6,798.88
F	ENERGY EFFICIENCY ANALYSIS	$9,916.28	$541.20	$10,457.48	$0.00	$10,457.48
G	ALTERNATIVES SELECTION	$7,434.52	$467.50	$7,902.02	$0.00	$7,902.02
H	DOCUMENTATION	$12,467.62	$699.60	$13,167.22	$0.00	$13,167.22
I	PUBLIC INVOLVEMENT	$3,494.92	$278.85	$3,773.77	$0.00	$3,773.77
J	HYDRAULIC MODEL TRAINING	$2,409.44	$141.35	$2,550.79	$0.00	$2,550.79
	TOTAL	$75,746.08	$4,168.65	$79,914.73	$0.00	$79,914.73

Filename: H:\Marketing\Proposals_SOQ\2019\Lehi\Lehi Optimization.xlsm]Data Entry - Straight Hours

PURCHASE ORDER

LEHI CITY CORPORATION

153 NORTH 100 EAST
LEHI UT 84043

THIS ORDER NUMBER MUST APPEAR ON YOUR INVOICE

4515

EST 1852
LEHI CITY
PIONEERING UTAH'S FUTURE

589468
ISSUED TO: S & L INC.
935 W CENTER STREET

LINDON UT 84042

SHIP TO: LEHI CITY CORPORATION
153 NORTH 100 EAST
LEHI UT 84043

DEPARTMENT:

PURCHASE ORDER DATE: 02/03/2016

REQ #	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL	GL ACCOUNT
0	1.00	CONSTRUCTION OF IVORY RIDGE PARK	2,391,400.00	2,391,400.00	47-70-70-103

TOTAL 2,391,400.00

Department Head

Council Approval

4515

Lehi City Purchase Requisition Request

Supplier	**Name**	S&L Inc.		**Vender #**	
	Street	935 West Center St.		**Date**	**2/2/2016**
	City	Lindon	**State**	UT	
	Zip	84042	**Phone**	801.785.8458	

Parks and Buldings	47-70-70-103	
Requesting Department	**Dept. Account No.**	**Department Head Signature**

Quantity	Unit	Materials and Description	Price	Total
		Construction of Ivory Ridge Park		
		General Construction, Insurance & Bonding	$125,000.00	$125,000.00
		Site Work	$225,000.00	$225,000.00
		Site Utilities	$154,000.00	$154,000.00
		Restroom	$195,000.00	$195,000.00
		Splash Pad	$455,000.00	$455,000.00
		Site Amenities	$220,000.00	$220,000.00
		Electrical	$70,000.00	$70,000.00
		Concrete	$130,000.00	$130,000.00
		Asphalt	$200,000.00	$200,000.00
		Landscaping	$390,000.00	$390,000.00
		SWPPP	$10,000.00	$10,000.00
		10% contingency		$217,400.00
		Total		$2,391,400.00

Justification:	**Price Determination**	
Budgeted Item	**Verbal Quote**	
$5.72 Dollars a Sq foot.	**Informal Bid**	
	Written Bid	**X**
	State Bid	
	Other	

2,383,919.55

Bid Tab Ivory Ridge Park

Allstate Construction	$2,498,459.00
Condie Construction	$2,981,597.00
CraCar	$2,593,787.45
Gel Inc	$3,075,910.00
Hadco	$2,694,556.40
Hughes	$3,376,800.00
J. Lyne Roberts & Sons	$2,599,787.00
S&L	$2,165,000.00
Stratton and Bratt	$2,134,854.40
VANCON	$2,320,000.00
Valley Design	$2,310,996.00

Finalists Were asked to submit a bid with sod substitute

S&L	$2,165,000.00
Stratton and Bratt	$2,206,138.10

PURCHASE ORDER

LEHI CITY CORPORATION

153 NORTH 100 EAST
LEHI UT 84043

THIS ORDER NUMBER MUST APPEAR ON YOUR INVOICE

4516

EST 1852
LEHI CITY
PIONEERING UTAH'S FUTURE

590006
ISSUED TO: SAGE GOVERNMENT SOLUTIONS
1229 ROUND MOUNTAIN CIRCLE

ALPINE UT 84004

SHIP TO: LEHI CITY CORPORATION
153 NORTH 100 EAST
LEHI UT 84043

DEPARTMENT:

PURCHASE ORDER DATE: 02/04/2016

REQ #	QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL	GL ACCOUNT
0	1.00	ADDTION TO EXISTING LOBBY CONTRACT	25,000.00	25,000.00	10-80-60-019

TOTAL 25,000.00

Department Head

Council Approval

4/5/16

Lehi City Purchase Requisition Request

Supplier	**Name**	Sage Government Solutions		**Vender #**	N/A
	Street	1229 Round Mountain Circle		**Date**	2/4/2016
	City	Alpine	**State**	UT	
	Zip	84004	**Phone**	(801) 557-3772	

Administration	10-80-60-019	
Requesting Department	**Dept. Account No.**	**Department Head Signature**

Quanity	Unit	Materials and Description	Price	Total
1	1	Addtion to existing lobbying contract - see attached	$25,000	$25,000
		Total	$25,000	$25,000

Justification:	Price Determination	
This is an addition to the city's existing	Verbal Quote	X
contract for lobbying services with Sage.	Informal Bid	
This will allow Sage to bring on an	Written Bid	
additional lobbyist.	State Bid	
	Other: Sole Source	

50,000.00

LEHI CITY

February 4, 2016

Sage Government Solutions
c/o Jeff Hartley
1229 Round Mountain Ciricle
Alpine, Utah 84003

RE: Amendment of Consulting Agreement

Dear Mr. Hartley:

This letter will amend the Consulting Agreement executed between Lehi City and Sage Government Solutions on December 14, 2016, by increasing the amount of compensation under Section 3 from $36,000 to $61,000. The additional $25,000 will be paid to you by the City once you have retained the services of Greg Curtis to assist with the lobbying effort on behalf of Lehi City for state transportation funding.

Once this letter agreement has been executed by you and Mayor Wilson, and you have provided a written agreement between Sage Government Solutions and Mr. Curtis, Lehi City will remit the additional funds to you.

Respectfully yours,

Ryan V. Wood
Lehi City Attorney

_____
Mayor Bert Wilson

_____
Jeff Hartley