CITY OF COFFEYVILLE
BOARD OF COMMISSIONERS AGENDA ITEM

MEETING DATE	September 22, 2015	
RESOLUTION OR ORDINANCE NUMBER	R-15-115	
AGENDA TITLE	**Construction Materials Testing– CMLP Generation Facility No.2**	
REQUESTING DEPARTMENT	Electric	
PRESENTER	Michael Shook	
FISCAL INFORMATION	Cost as recommended:	$33,825
	Budget Line Item:	890-5-030-862 PLANT IMPROVEMENTS
	Balance Available	
	New Appropriation Required:	[ ] Yes [x] No
PURPOSE	Execute an agreement to perform construction materials testing for the new generation project.	
BACKGROUND	The Electric Utility used the competitive and cooperative bid process to obtain price quotes to perform construction materials testing for the Coffeyville Municipal Light & Power New Generation Project.	
SPECIAL NOTES		

ANALYSIS	Proposals were received from a total of six (6) firms to perform these services, as specified by Burns & McDonnell Engineering. EST Inc. had the lowest bid. Proposals were evaluated by Burns & McDonnell Engineers, and City of Coffeyville Electric Utility Staff. The bid summary/analysis is attached for your review.
PUBLIC INFORMATION PROCESS	
BOARD OR COMMISSION RECOMMENDATION	
STAFF RECOMMENDATION	Staff recommends that the Mayor be authorized to enter into an agreement with EST Inc., to perform construction materials testing for the new generation project, as specified by Burns & McDonnell, in the amount of $33,825.
REFERENCE DOCUMENTS ATTACHED	Bid Summary/Analysis

RESOLUTION NO. R-15-115

A RESOLUTION TO ENTER INTO AN AGREEMENT WITH EST INC. TO PERFORM CONSTRUCTION MATERIALS TESTING AS SPECIFIED BY BURNS & MCDONNELL FOR THE CITY OF COFFEYVILLE ELECTRIC UTILITY.

BE IT RESOLVED by the Board of Commissioners of the City of Coffeyville, Kansas that the Mayor be and is hereby authorized to enter into an agreement with EST Inc. to perform construction materials testing as specified by Burns & McDonnell in the amount of $33,825 for the City of Coffeyville Electric Utility.

ADOPTED THIS 22nd DAY OF SEPTEMBER, 2015.

_____
Christopher V. Williams, Mayor

ATTEST:

_____
Cindy Price, City Clerk

APPROVED AS TO FORM AND LEGALITY:

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Paul Kritz, City Attorney

			EST		PPI		Olson & Associates		GSI		Terracon		PEC	
Item Description	**Quantity**	**Unit**	**Unit Rate**	**Item Cost**	**Unit Rate**	**Item Cost**	**Unit Rate**	**Item Cost**	**Unit Rate**	**Item Cost**	**Unit Rate**	**Item Cost**	**Unit Rate**	**Item Cost**
SOIL & SUBGRADE TESTING														
Standard Proctor (ASTM D698)	5	EA	$ 125.00	$ 625.00	$ 175.00	$ 875.00	$ 160.00	$ 800.00	$ 140.00	$ 700.00	$ 225.00	$ 1,125.00	$ 134.00	$ 670.00
Modified Proctor (ASTM D1557)	5	EA	$ 140.00	$ 700.00	$ 225.00	$ 1,125.00	$ 160.00	$ 800.00	$ 140.00	$ 700.00	$ 245.00	$ 1,225.00	$ 134.00	$ 670.00
Atterberg Limits (ASTM D4318)	5	EA	$ 60.00	$ 300.00	$ 80.00	$ 400.00	$ 85.00	$ 425.00	$ 45.00	$ 225.00	$ 60.00	$ 300.00	$ 72.00	$ 360.00
Swell/Pressure (ASTM D4546)	5	EA	$ 300.00	$ 1,500.00	$ 176.00	$ 880.00	$ 250.00	$ 1,250.00	$ 200.00	$ 1,000.00	$ 325.00	$ 1,625.00	$ 412.00	$ 2,060.00
Unified Soil Classification	5	EA	$ 20.00	$ 100.00	$ -	$ -	$ 175.00	$ 875.00	$ 5.00	$ 25.00	$ 80.00	$ 400.00	$ 144.00	$ 720.00
Sieve Analysis	5	EA	$ 70.00	$ 350.00	$ 63.50	$ 317.50	$ 90.00	$ 450.00	$ 60.00	$ 300.00	$ 160.00	$ 800.00	$ 46.00	$ 230.00
Permeability	5	EA	$ 400.00	$ 2,000.00	$ 481.00	$ 2,405.00	$ 400.00	$ 2,000.00	$ 200.00	$ 1,000.00	$ 325.00	$ 1,625.00	$ 412.00	$ 2,060.00
In-Place Soil Density & Moisture Content (ASTM D6938)	90	EA	$ 25.00	$ 2,250.00	$ 38.28	$ 3,445.00	$ 50.00	$ 4,500.00	$ 93.56	$ 8,420.40	$ 151.07	$ 13,596.30	$ 100.00	$ 9,000.00
Proofrolling	40	HR	$ 45.00	$ 1,800.00	$ 55.00	$ 2,200.00	$ 83.00	$ 3,320.00	$ 49.00	$ 1,960.00	$ 138.25	$ 5,530.00	$ 275.00	$ 11,000.00
Pier Inspection	40	HR	$ 60.00	$ 2,400.00	$ 90.00	$ 3,600.00	$ 83.00	$ 3,320.00	$ 49.00	$ 1,960.00	$ 138.50	$ 5,540.00	$ 275.00	$ 11,000.00
Granular Pipe Embedment relative density (ASTM D4253, D4254)	1	EA	$ 500.00	$ 500.00	$ 250.00	$ 250.00	$ 250.00	$ 250.00	$ 170.00	$ 170.00	$ 120.00	$ 120.00	$ 412.00	$ 412.00
STRUCTURAL CONCRETE TESTING														
Field Tests During Placement (slump, air, temperature)	90	EA	$ 75.00	$ 6,750.00	$ 125.00	$ 11,250.00	$ 95.00	$ 8,550.00	$ 141.69	$ 12,752.10	$ 226.91	$ 20,421.90	$ 300.00	$ 27,000.00
Compressive Strength (4 cylinders per set)	50	SET	$ 60.00	$ 3,000.00	$ 48.00	$ 2,400.00	$ 68.00	$ 3,400.00	$ 48.00	$ 2,400.00	$ 60.00	$ 3,000.00	$ 60.00	$ 3,000.00
CONCRETE MASONRY TESTING														
Concrete Masonry Unit Testing (ASTM C140)	1	EA	$ 200.00	$ 200.00	$ 300.00	$ 300.00	$ 80.00	$ 80.00	$ 275.50	$ 275.50	$ 135.00	$ 135.00	$ 46.00	$ 46.00
Prism Test (ASTM C1314)	1	EA	$ 500.00	$ 500.00	$ 104.00	$ 104.00	$ 115.00	$ 115.00	$ 218.50	$ 218.50	$ 160.00	$ 160.00	$ 46.00	$ 46.00
Mortar Test (ASTM C270)	1	EA	$ 300.00	$ 300.00	$ 237.50	$ 237.50	$ 35.00	$ 35.00	$ 218.50	$ 218.50	$ 80.00	$ 80.00	$ 15.00	$ 15.00
Grout Test Compressive Strength (ASTM C1019)	1	EA	$ 175.00	$ 175.00	$ 245.00	$ 245.00	$ 35.00	$ 35.00	$ 218.50	$ 218.50	$ 20.00	$ 20.00	$ 15.00	$ 15.00
ASPHALT PAVEMENT TESTING														
Density of Completed Pavement (ASTM D2950)	15	EA	$ 25.00	$ 375.00	$ 43.33	$ 650.00	$ 45.00	$ 675.00	$ 36.53	$ 547.95	$ 98.93	$ 1,483.95	$ 330.00	$ 4,950.00
MISCELLANIOUS														
Standby Time [2]	40	HR	$ 50.00	$ 2,000.00	$ 55.00	$ 2,200.00	$ 57.00	$ 2,280.00	$ 49.00	$ 1,960.00	$ 55.00	$ 2,200.00	$ 49.00	$ 1,960.00
Trip Charge	50	EA	$ 150.00	$ 7,500.00	$ 200.00	$ 10,000.00	$ 105.00	$ 5,250.00	$ 200.50	$ 10,025.00	$ 460.25	$ 23,012.50	$ 450.00	$ 22,500.00
Final Report [3]	1	LS	$ 500.00	$ 500.00	$ 200.00	$ 200.00	$ 500.00	$ 500.00	$ 950.00	$ 950.00	$ 1,500.00	$ 1,500.00	$ 2,500.00	$ 2,500.00
BIDDER'S TOTAL PRICE				**$ 33,825.00**		**$ 43,084.00**		**$ 38,910.00**		**$ 46,026.45**		**$ 83,899.65**		**$ 100,214.00**

Recommendation: Six quotes were received to provide construction material testing. EST provided the lowest cost quote. It is recommended that EST be awarded the Contract for material testing based on low cost.