BOARD OF BIDS AND CONTRACTS JUNE 6, 2019

ITEMS REQUIRING BOCC APPROVAL
(2 Items)

1. STEEL CULVERTS -- PUBLIC WORKS
FUNDING -- R264 IMPDRAIN ROW17+
(Request sent to 13 vendors)

RFB #19-0050 Contract

Aluminized Type 2 Material	**J & J Drainage Products Co.**
	Unit Price or Linear Foot
1. 17" x 13" x 24' Corrugated Steel Pipe 14 ga.	**$14.10 per linear ft.**
2. 17" x 13" x 30' Corrugated Steel Pipe 14 ga.	**$14.10 per linear ft.**
3. 21" x 15" x 30' Corrugated Steel Pipe 14 ga.	**$16.80 per linear ft.**
4. 28" x 20" x 30' Corrugated Steel Pipe 14 ga.	**$22.40 per linear ft.**
5. 42" x 29" x 24' Corrugated Steel Pipe 14 ga.	**$32.80 per linear ft.**
6. 42" x 29" x 30' Corrugated Steel Pipe 14 ga.	**$32.80 per linear ft.**
7. 49" x 33" x 30' Corrugated Steel Pipe 14 ga.	**$38.40 per linear ft.**
8. 57" x 38" x 24' Corrugated Steel Pipe 12 ga.	**$61.40 per linear ft.**
9. 71" x 47" x 24' Corrugated Steel Pipe 10 ga.	**$95.50 per linear ft.**
10. 15" Steel Band	**$13.90 each**
11. 18" Steel Band	**$16.00 each**
12. 24" Steel Band	**$20.75 each**
13. 42" Steel Band	**$38.30 each**
14. 48" Steel Band	**$43.15 each**
15. 60" Steel Band	**$63.15 each**
16. 15" Flared Steel End Section	**$67.45 each**
17. 18" Flared Steel End Section	**$87.45 each**
18. 21" Flared Steel End Section	**$105.20 each**
19. 24" Flared Steel End Section	**$130.50 each**
20. 30" Flared Steel End Section	**$238.20 each**
21. 36" Flared Steel End Section	**$383.45 each**
22. 42" Flared Steel End Section	**$724.25 each**
23. 48" Flared Steel End Section	**$842.85 each**
24. 60" Flared Steel End Section	**$1,498.40 each**
25. 17" x 13" Dimple Bands	**$13.90 each**
26. 21" x 15" Dimple Bands	**$16.00 each**
27. 24" x 18" Dimple Bands	**$18.30 each**
28. 28" x 20" Dimple Bands	**$20.75 each**
29. 35" x 24" Dimple Bands	**$25.40 each**
30. 8" Bolts	**$1.85 each**
31. 10" Bolts	**$3.45 each**
32. Flanged Nuts for Dimple Bands	**$0.22 each**
Acknowledge Addendum	**Yes**
Availability Date	**4 Weeks**
Galvanized Metal	J & J Drainage Products Co., Option 1
	Unit Price or Linear Foot
1. 17" x 13" x 24' Corrugated Steel Pipe 14 ga.	$13.54 per linear ft.
2. 17" x 13" x 30' Corrugated Steel Pipe 14 ga.	$13.54 per linear ft.

3. 21" x 15" x 30' Corrugated Steel Pipe 14 ga.	$16.13 per linear ft.
4. 28" x 20" x 30' Corrugated Steel Pipe 14 ga.	$21.50 per linear ft.
5. 42" x 29" x 24' Corrugated Steel Pipe 14 ga.	$31.49 per linear ft.
6. 42" x 29" x 30' Corrugated Steel Pipe 14 ga.	$31.49 per linear ft.
7. 49" x 33" x 30' Corrugated Steel Pipe 14 ga.	$36.86 per linear ft.
8. 57" x 38" x 24' Corrugated Steel Pipe 12 ga.	$58.94 per linear ft.
9. 71" x 47" x 24' Corrugated Steel Pipe 10 ga.	$91.68 per linear ft.
10. 15" Steel Band	$13.90 each
11. 18" Steel Band	$16.00 each
12. 24" Steel Band	$20.75 each
13. 42" Steel Band	$38.30 each
14. 48" Steel Band	$43.15 each
15. 60" Steel Band	$63.15 each
16. 15" Flared Steel End Section	$50.95 each
17. 18" Flared Steel End Section	$66.05 each
18. 21" Flared Steel End Section	$79.40 each
19. 24" Flared Steel End Section	$98.55 each
20. 30" Flared Steel End Section	$179.85 each
21. 36" Flared Steel End Section	$289.85 each
22. 42" Flared Steel End Section	$546.70 each
23. 48" Flared Steel End Section	$636.25 each
24. 60" Flared Steel End Section	$1,131.05 each
25. 17" x 13" Dimple Bands	13.90 each
26. 21" x 15" Dimple Bands	$16.00 each
27. 24" x 18" Dimple Bands	$18.30 each
28. 28" x 20" Dimple Bands	$20.75 each
29. 35" x 24" Dimple Bands	$25.40 each
30. 8" Bolts	$1.85 each
31. 10" Bolts	$3.45 each
32. Flanged Nuts for Dimple Bands	$0.22 each
Acknowledge Addendum	Yes
Availability Date	4 Weeks
All Pipe is Aluminized and all End Sections are Galvanized	Welborn Sales, Inc.
	Unit Price or Linear Foot
1. 17" x 13" x 24' Corrugated Steel Pipe 14 ga.	$11.87 per linear ft.
2. 17" x 13" x 30' Corrugated Steel Pipe 14 ga.	$13.37 perlinear ft.
3. 21" x 15" x 30' Corrugated Steel Pipe 14 ga.	$18.26 per linear ft.
4. 28" x 20" x 30' Corrugated Steel Pipe 14 ga.	$20.87 per linear ft.
5. 42" x 29" x 24' Corrugated Steel Pipe 14 ga.	$31.70 per linear ft.
6. 42" x 29" x 30' Corrugated Steel Pipe 14 ga.	$31.70 per linear ft.
7. 49" x 33" x 30' Corrugated Steel Pipe 14 ga.	$36.57 per linear ft.
8. 57" x 38" x 24' Corrugated Steel Pipe 12 ga.	$41.74 per linear ft.
9. 71" x 47" x 24' Corrugated Steel Pipe 10 ga.	$52.17 per linear ft.
10. 15" Steel Band	$23.35 each
11. 18" Steel Band	$24.33 each
12. 24" Steel Band	$29.50 each
13. 42" Steel Band	$42.86 each
14. 48" Steel Band	$46.99 each
15. 60" Steel Band	$104.35 each
16. 15" Flared Steel End Section	$101.07 each

17. 18" Flared Steel End Section	$67.39 each
18. 21" Flared Steel End Section	$85.46 each
19. 24" Flared Steel End Section	$96.20 each
20. 30" Flared Steel End Section	$225.4 each
21. 36" Flared Steel End Section	$282.55 each
22. 42" Flared Steel End Section	$519.27 each
23. 48" Flared Steel End Section	$693.04 each
24. 60" Flared Steel End Section	$1,204.96 each
25. 17" x 13" Dimple Bands	$23.35 each
26. 21" x 15" Dimple Bands	$24.33 each
27. 24" x 18" Dimple Bands	$23.91 each
28. 28" x 20" Dimple Bands	$29.50 each
29. 35" x 24" Dimple Bands	$32.78 each
30. 8" Bolts	$1.50 each
31. 10" Bolts	$3.50 each
32. Flanged Nuts for Dimple Bands	Included
Acknowledge Addendum	Yes
Availability Date	4 Weeks
No Bid	Andale Lumber
	Salisbury Construction & Industrial
	Star Commercial Flooring

On the recommendation of Josh Lauber, on behalf of Public Works, Linda Kizzire moved to **accept the overall low responsive bid from J & J Drainage Products Co. and establish contract pricing for three (3) years with two (2) one (1) year options to renew**. Angela Caudillo seconded the motion. The motion passed unanimously.

Steel pipe is used to construct drainage culverts under roadways and driveways. The bid from J & J Drainage Products Co. represents a 7.33% price increase from the last contract established in 2015.

Note:
Sedgwick County Public Works is transitioning to aluminized steel culverts because of the added longevity and durability that is provided by the aluminized coating versus a galvanized coating.

Section 1904 (1904.2b.1) of the 2015 KDOT Standard Specifications for State Road & Bridge Construction says: “Do not interconnect components with differing coating types within a piping system.” Public Works plans to fully deplete the existing stock of galvanized steel pipe while phasing in aluminized steel pipe. Both coatings meet the KDOT standard when utilized separately.

Welborn Sales, Inc. was unable to provide a bid with all aluminized components per department specifications.

Questions and Answers

Richard Powell: What we’re looking at here today, is something we do on an annual or ongoing basis to maintain sufficient stock and supply?

Jim Weber: Right. Sometimes we have a special order, we don’t stock every size. But we do get pricing for every size, so sometimes we need to go to the contract, we’ll place an order for something extra big.

Richard Powell: What is, short of physical damage, the typical life expectancy for an average piece of culvert?

Jim Weber: The bottom of them tend to rust out if it’s wet. We’re also looking at changing all of our purchases from galvanized, which is a zinc coating to aluminized. KDOT studied the soil in every county in the State. In some soils galvanized is fine, but we have acidic soil that really needs the aluminized pipe. So we think going to aluminized we would get a longer life out of them then we’re currently getting. We try to use them in entrance culverts and places that wouldn’t be too dramatic if we had to tear them out and replace them in 30 years. We try not to use them under mainline roads, try to use concrete pipe . We also have concrete pipe contract and a concrete box culvert contract. Out of these three contracts we kind of pick and choose what we need for a particular job.

SECTION 1904

CORRUGATED METAL PIPE AND END SECTIONS

1904.1 DESCRIPTION

This specification governs corrugated steel pipe, arches, corrugated aluminum alloy pipe, arches, and the associated end sections and accessory items for use in drainage systems and other applications.

1904.2 REQUIREMENTS

a. General. Provide pipe, arches, end sections, and accessory items that comply with the design, dimensions, alloy designation and thermal treatment, requirement for supplemental corrosion protection, and specific fabrication requirements as specified or in the Contract Documents. The components of pipe systems are to comply with **subsection 1904.2b**. The selected specification(s) is (are) denoted in the Contract Documents.

b. Material Specifications.

(1) Comply all corrugated steel (galvanized and aluminized) pipe, pipe-arches, and accessory items with AASHTO M 36. Comply all steel sheet utilized to fabricate the pipe and pipe-arches with AASHTO M 218 when zinc coated, or AASHTO M 274 when aluminum alloy coated. The type of pipe, and type and class of coating will be specified in the Contract Documents. Provide only continuous helical (lock or welded) seams. Do not interconnect components with differing coating types within a piping system.

(2) Comply all corrugated aluminum alloy pipe, pipe-arches, and accessory items with AASHTO M 196. The type of pipe will be specified in the Contract Documents. Provide only continuous helical lock seams. Do not interconnect metal aluminum alloy pipe with metal steel pipe or accessory items except as permitted through M 196.

(3) Repairs to the high frequency resistance welded (HFRW) seam in steel continuous welded helical corrugated metal pipe (CMP) are to be adherent to the following guidelines:

(a) For pipes with a nominal diameter of 24 inches or greater, the maximum allowable total length of manual weld repair for the helical weld seam in a section of steel CMP is ½-inch of weld per 1-inch of nominal pipe diameter per 20 feet (or fraction thereof) of pipe section length.

(b) For pipes with a nominal diameter of less than 24 inches, the maximum allowable total length of the manual weld repair referenced in (a) is 12 inches.

(c) For pipes with a nominal diameter of 24 inches or greater, the maximum allowable length of a single weld repair for the helical weld seam in a section of steel CMP is 1/4 -inch of weld per 1-inch of nominal pipe diameter, not to exceed 18 inches.

(d) For pipes with a nominal diameter of less than 24 inches, the maximum allowable length of the single weld repair referenced in (c) is 6 inches.

(e) Do not space repair welds closer than 1 helix length of welded seam. One helix length is the distance traversed by a point on the weld seam during 1 revolution of the pipe.

(f) Repair welds are not permitted within the re-roll areas at the ends of a steel CMP section.

(g) No visible discontinuities, e.g., hot or cold cracks, porosity, entrapped slag, voids, etc., are permitted within the total weld length, repair and coil splice welds included, of the finished section of steel CMP.

(h) The preferred weld repair method is, but not restricted to, gas metal arc welding (GMAW). Any method that utilizes a ferrous based filler metal compatible with the parent coil steel and provides an acceptable repair weld is adequate. Weld repair without the use of filler metal, such as by Gas Tungsten Arc Welding (GTAW), is also acceptable when practical.

(i) Minimize the number of plant coil splices within a section of steel CMP. This is subject to the judgment of the KDOT inspector and based on the steel CMP section size. In no instance is the number of coil splices to exceed 3 per steel CMP section.

(4) Produce end sections from the same metal and provide with the same coating as the pipe to which they are to be attached. Comply with the design and dimension requirements as stated in **subsection 1904.2a**. However, the thermal treatment, denoted by the temper designation for aluminum alloys, must not reduce the ductility of the metal to the degree that forming tears or cracks occur during production of the end section. A section of CMP that is an integral component of the end section is subject to **subsection 1904.2b**.

1904.3 TEST METHODS

Conduct all tests required by the applicable AASHTO, ASTM or other specification of **subsection 1904.2b** according to the procedures specified in that standard.

1904.4 PREQUALIFICATION

Not applicable.

1904.5 BASIS OF ACCEPTANCE

a. Receipt and approval of a Type A certification as specified in **DIVISION 2600** for all corrugated metal pipe (CMP) and the associated end sections and accessory items provided through this specification.

b. Inspection, and testing when applicable, by field personnel of CMP and end sections and accessory items for compliance with corrosion protection coating thickness requirements when applicable, mechanical or welded seam quality, and dimensional requirements.

c. The final disposition of CMP and end sections and accessory items will be completed at the final destination as the result of inspection for the quality of workmanship, the delivery condition, and receipt and approval of the associated required documentation. Corrugated metal pipe and end sections and accessory items may also require inspection during the production process at the fabrication facility.

BOARD OF BIDS AND CONTRACTS JUNE 6, 2019

2. COMPACT TRACK LOADER -- PUBLIC WORKS/FLEET MANAGEMENT
FUNDING -- COMPACT EXCAVATING EQUIPMENT, BOBCAT T65
(State of Kansas Contract #44071)

#19-2043 S/C #8000148142

	Clark Equipment Company dba Bobcat Company
Track Loader	
T650 T4 Bobcat Compact Track Loader	**$39,736.62**
A71 Option Package	**$4,031.28**
Selectable Joystick Controls	**$623.70**
Two Speed	**$1,326.60**
Heated Air Ride Suspension Seat	**$207.24**
17.7" Rubber Track	**$986.04**
Hydraulic Bucket Positioning	**$308.88**
Telematics US	**included**
NAGS Port Relief Valve	**$66.00**
Attachments	
80" C/I Heavy Duty Bucket	**$1,166.60**
Bolt-on Teeth 8 ea @ $24.15 ea.	**$193.20**
80" Industrial Bucket Grapple	**$3,093.20**
Dealer Charges	
Installed Reverse Camera	**$600.00**
Assembly Charges	**$92.00**
Total	**$52,431.36**

On the recommendation of Joseph Thomas, on behalf of Public Works and Fleet Management, Richard Powell moved to **accept the pricing based on the State of Kansas Contract #44071 in the amount of $52,431.36.** Angela Caudillo seconded the motion. The motion passed unanimously.

Public Works will use this machine in the repair and maintenance of culverts, bridges, ditch erosion, placement of rip rap rock, stream maintenance projects, concrete box replacements and other projects across the county.

This item is an addition to Public Works and Fleet Management and is not a replacement. Addition of this piece of equipment would expand the capabilities of the stream maintenance crew and increase the number of simultaneous work locations from two (2) to three (3).

Questions and Answers

Linda Kizzire: Is this the same type that you currently have in operation?

Jim Weber: No, I mean think of a Bobcat skid steer. So we have wheeled version that works great on pavement and level surfaces. This is that version but with rubber tracks on it. So it makes it more versatile in that we can get it off road. It's a smaller size than we normally have for our stream maintenance crew and our bridge maintenance crew, but it's a size that we need. We have also been approved for a compact excavator, which you will see later. It's like a little backhoe, the size of a Bobcat but has rubber tracks on it.

Richard Powell: Do we have any more questions?

Mike Pepoon: Did someone do an analysis to determine whether State contract is competitive with what you can go out and get?

Jim Weber: I'll let Joe Thomas answer that.

Joe Thomas: Yes, we did. They approved three models John Deere, Bobcat, and they had one that included New Holland, Case and International Harvester. The Bobcat was 34% discount off the list price and the discount for the attachments.