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HOUSE DOCUMENTS

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VOL. 19



ABSTRACT OF PROPOSALS FOR MATERIAL AND LABOR
FOR THE ENGINEER DEPARTMENT, 1918

LETTER FROM
THE SECRETARY OF WAR

TRANSMITTING

A LETTER FROM THE CHIEF OF ENGINEERS, SUBMITTING
ABSTRACTS OF PROPOSALS RECEIVED DURING THE
FISCAL YEAR ENDING JUNE 30, 1918



FEBRUARY 6, 1919.—Referred to the Committee on Expenditures in the
War Department and ordered to be printed

LETTER OF TRANSMITTAL.

WAR DEPARTMENT,
Washington, February 5, 1919.

SIR; Referring to section 230, Revised Statutes, which provides: "Whenever the Secretary of War invites proposals for any works, or for any materials or labor for any work, he shall report to Congress, at its next session, all bids therefor, with the names of the bidders," I have the honor to transmit herewith a letter from the Chief of Engineers, United States Army, of yesterday's date, submitting abstracts of proposals received during the fiscal year ending June 30, 1918, for material and labor in connection with works under the Engineer Department.

Very respectfully,

NEWTON D. BAKER,
Secretary of War.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

LETTER OF SUBMITTAL.

WAR DEPARTMENT,
OFFICE OF THE CHIEF OF ENGINEERS,
Washington, February 4, 1919.

From: The Chief of Engineers, United States Army.

To: The Secretary of War.

Subject: Abstract of proposals.

1. Section 230 of the Revised Statutes provides that—

Whenever the Secretary of War invites proposals for any works, or for any materials or labor for any work, he shall report to Congress, at its next session, all bids therefor, with the names of the bidders.

2. In pursuance thereof I have to submit herewith abstracts of proposals received during the fiscal year ending June 30, 1918, for material and labor in connection with works under the Engineer Department.

W. M. BLACK,
Major General.

ABSTRACT OF PROPOSALS FOR MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

PORTLAND (ME.) DISTRICT.

[Mr. C. F. Porter, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals for dredging in Portland Harbor, Me., Aug. 28, 1917.

Bidders.	Price per cubic yard.
	<i>Cents.</i>
1. Coastwise Dredging Co., Norfolk, Va.....	17.4
2. Maryland Dredging & Contracting Co., ¹ Baltimore, Md.....	15.8
3. Eugene Breymann, Boston, Mass.....	19
4. Bay State Dredging & Contracting Co., Boston, Mass.....	18.3

Estimated quantity, 1,248,611 cubic yards.

¹ Contract made with Maryland Dredging & Contracting Co.

BOSTON (MASS.) DISTRICT.

[Officer: Col. Francis R. Shunk, Corps of Engineers.]

FORTIFICATIONS.

Abstract of proposals for construction of sea walls at Fort Warren, Boston Harbor, Mass., opened Oct. 4, 1917.

Name and address of bidder.	Per linear foot for sea wall of—				Per cubic yard for—	
	Type 1, section A-B, 54 feet.	Type 1, section C-D, 383 feet.	Type 2, 140 feet.	Type 3, 218 feet.	Extra excava- tion.	Concrete.
1. H. V. Converse & Co., Boston, Mass.....	\$87.00	\$54.00	\$19.00	\$56.00	\$1.60	\$12.00
2. Bay State Dredging & Contracting Co., Boston, Mass.....	75.00	50.00	12.00	30.00	2.00	10.00

Contract awarded Bay State Dredging & Contracting Co.

Abstract of proposals for construction of stone wharf at Outer Brewster Island, Boston, Harbor, Mass., opened May 27, 1918.

Name and address of bidder.	Price bid.
1. Bay State Dredging & Contracting Co., East Boston, Mass.	\$14.40 per ton of 2,000 pounds for wall stone; \$10.10 per ton of 2,000 pounds for rubblestone; \$25 per cubic yard for concrete; \$8,000 for all fenders, cramps, dowels, mooring rings, and guard rails, in place.

Bid rejected as excessive.

4 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

RIVERS AND HARBORS.

Abstract of proposals for rock excavation in Weymouth Fore River, Mass., opened Apr. 10, 1918.

Name and address of bidder.	Price bid per cubic yard, place measurement.
1. Eugene Breymann, East Boston, Mass.....	\$19.50
2. Great Lakes Dredge & Dock Co., New York, N. Y.....	16.00

Contract awarded Great Lakes Dredge & Dock Co.

NEWPORT (R. I.) DISTRICT.

[Officer: Col. J. H. Willard, U. S. Army, retired.]

FORTIFICATIONS

Abstract of proposals for pile and timber extension to wharf at Fort Greble, R. I., received in response to newspaper advertisement and opened Oct. 6, 1917, at Newport, R. I., by Col. J. H. Willard, U. S. Army, retired.

Names and addresses of bidders.	Total amounts bid for the work. Bearing and mooring piles to be of—			
	White oak.	Red oak.	Chestnut.	Yellow pine.
1. Rendle-Stoddard Co., Chelsea, Mass.....	\$11,799	\$11,499	\$11,699	\$11,299
2. Booth & Chase Co. (Inc.), ² Fall River, Mass.....		¹ 10,268	9,975	10,500
3. Darling-Slade Construction Co., Newport, R. I.....	11,788	11,200	10,400	11,700

¹ Accepted.

Booth & Chase Co. also submitted alternative bids by letter as follows:
For wharf extension, bearing, mooring and fender piles to be mixed oak, 7 inches at the point and 14 inches at the cut off, the sum of \$9,875.

For wharf extension, bearing piles, mooring and fender piles to be mixed oak, not less than 6 inches at the point and to measure not less than 14 inches 2 feet from the butt, when delivered at site of work, the sum of \$9,700.

Abstract of proposals for furnishing and delivering sand at Fort Rodman, Mass., received in response to circular letter and opened June 4, 1918, at Newport, R. I., by Col. J. H. Willard, U. S. Army, retired.

Names and addresses of bidders.	Amount bid per cubic yard for 3,000 cubic yards (subject to increase of 25 per cent).	Total.
1. S. P. Manchester, New Bedford, Mass.....	\$1.40	¹ \$4,200
2. Sullivan Granite & Construction Co., New Bedford, Mass.....	1.75	5,250
3. John Chicoline, New Bedford, Mass.....	1.75	² 5,250
	1.50	³ 4,500

¹ Accepted.

² Screened brick sand.

³ Screened concrete sand.

NEW LONDON (CONN.) DISTRICT.

[Officer: Col. S. W. Roessler, U. S. Army, retired.]

RIVERS AND HARBORS.

Abstract of proposals for maintenance dredging in Connecticut River, below Hartford, Conn., opened Apr. 11, 1918.

Bidder.	Price bid (estimated quantity 100,000 cubic yards.)		Remarks.
	Unit.	Total.	
1. The Hartford & New York Transportation Co., Hartford, Conn.	<i>Cents.</i> 20	\$20,000	Copy of authority of vice president to sign proposal not furnished; waived.

Bid accepted and contract entered into.

Abstract of proposals for maintenance dredging in Housatonic River, Conn., opened Apr. 26, 1918.

Bidder.	Price per cubic yard.	Remarks.
1. John P. Randerson, Albany, N. Y.	<i>Cents.</i> 38	Certified check for \$2,000 submitted in lieu of guaranty.
2. The T. A. Scott Co. (Inc.), New London, Conn	65	

Contract awarded to John P. Randerson.

NEW YORK (N. Y.), FIRST DISTRICT.

[Officer: Col. S. W. Roessler, United States Army, retired.]

RIVERS AND HARBORS.

Abstract of proposals for dredging in Wappinger Creek, N. Y., Tarrytown Harbor, N. Y., and Peekskill Harbor, N. Y., received in response to advertisement dated June 30, 1917, by Maj. E. M. Adams, U. S. Army, at United States Engineer offices, Army Building, New York, N. Y.

Names and addresses of bidders.	For all material except broken rock and boulders $\frac{1}{2}$ cubic yard in size or larger, and ledge rock, per cubic yard.		
	Wappinger Creek.	Tarrytown Harbor.	Peekskill Harbor.
1. Coastwise Dredging Co., Norfolk, Va.	\$0.40	\$0.40	\$0.40
2. J. P. Randerson, Albany, N. Y. ....	.29	(¹)	.28

¹ No bid.

Bids rejected.

Abstract of proposals for repairs and additions to three motor launches received in response to advertisement dated Dec. 5, 1917, and opened Dec. 6, 1917, by Maj. E. M. Adams, United States Army, at United States Engineer office, Army Building, New York, N. Y.

Names and addresses of bidders.	Navy hulls Nos. N698, P503, and L492. ¹
1. Hehre & Auer Launch Works, Clason Point, N. Y. ²	\$5,370
2. Frank Grimes, New York City.....	5,690

¹ For repairing and installing gasoline motors therein. ² Award made to Hehre & Auer Launch Works.

Abstract of proposal for dredging and rock removal in Hell Gate, East River, N. Y., received in response to advertisement dated Mar. 8, 1918, and opened at the United States Engineer office, Army Building, New York, N. Y., Mar. 18, 1918.

Name and address of bidder.	Unit price (per square foot).	Total price.
1. New Jersey Shipbuilding & Dredging Co., Bayonne, N. J.....	\$3.20	\$995,200

Award made to New Jersey Shipbuilding & Dredging Co.

WRECK.

Abstract of proposal for removing wreck of a vessel (name unknown) lying sunk in the East River, N. Y., received by Col. S. W. Roessler, United States Army, in response to public notice dated May 23, 1918, and opened at United States Engineer office, South Ferry Building, New York, N. Y., June 3, 1918.

Name and address of bidder.	Price for removing and disposing of wreck.
1. N. B. Register, Lewes, Del.....	\$1,800

Award made to N. B. Register.

NEW YORK (N. Y.), SECOND DISTRICT.

[Officer: Brig. Gen. Theo. A. Bingham, United States Army.]

FORTIFICATIONS.

Abstract of proposals for furnishing 1 railroad car for 7-inch siege howitzer, received and opened at 12 o'clock noon, June 22, 1917, by Col. Frederic V. Abbot, Corps of Engineers.

Name and address of bidder.	Price per car.	Where delivered.	Remarks.
1. Standard Steel Car Co., New York, N. Y. ¹	\$9,950	F. o. b. tracks at works, Hammond, Ind.	Bids informal; not submitted on blank form; also no guaranty accompanied offer.
2. American Car & Foundry Co., New York, N. Y.	11,342	Reserve right to place work in any of their plants, but agree to allow any excess in freight from such plant to the destination over the charge from Berwick, Pa., to same point.	Authority for signing officer not furnished.

¹ Accepted.

Abstract of proposals for constructing wharf and bulkhead at Rockaway Point, N. Y., received and opened at 12 o'clock noon, July 16, 1917, by Col. Frederic V. Abbot, Corps of Engineers, district engineer, second New York district.

Name and address of bidder.	Price for wharf.	Price for bulkhead.	Total bid.	Remarks.
1. Allen N. Spooner & Son (Inc.), New York, N. Y.	\$45,113	\$24,952	\$70,065	Authority for signing officer not furnished.
2. A. M. Hazell (Inc.), New York, N. Y.	43,570	23,000	66,570	Informal; bid substitutes short-leaf pine piles for the long-leaf pine piles called for.
3. J. & F Kelly, Brooklyn, N. Y..	49,000	26,000	75,000	Failed to comply with requirements of specifications as to the time of completion.

All bids rejected as being too high.

RIVERS AND HARBORS.

Abstract of proposals for dredging a channel between Staten Island and Hoffman Island, New York Harbor, opened Feb. 11, 1918, by district engineer, second New York district.

Name and address of bidder.	Price per cubic yard (sow measurement).
1. Great Lakes Dredge & Dock Co., New York City.....	\$0.43
2. P. Sanford Ross (Inc.), Jersey City, N. J.....	.495

Bids rejected, being too high.

NEW YORK (N. Y.), THIRD DISTRICT.

[Officer: Brig. Gen. Wm. T. Rossell, United States Army, retired.]

FORTIFICATIONS.

Abstract of bids for repair and enlargement of sea wall near southern boundary, Sandy Hook Reservation, N. J., received in response to advertisement, and opened at 10 a. m., Dec. 20, 1917, in room 802, Army Building, New York City, N. Y., by the district engineer.

Name and address of bidder	Price bid per ton of 2,240 pounds.	Time.
1. F. L. Sage, New York, N. Y.....	\$4.35	90 days.
2. Jesse A. Howland, Sea Bright, N. J.....	4.60	100 days.
3. Brown & Simpson, New York.....	4.99	180 days.

Bids rejected.

Abstract of bids for repair and enlargement of sea wall near the southern boundary of the Sandy Hook Reservation, N. J., received in response to circular letter, and opened at 12 o'clock noon, Dec. 26, 1917, in room 802, Army Building, New York, N. Y., by the district engineer.

Name and address of bidder.	Price bid per ton of 2,240 pounds.	Time.
1. Jesse A. Howland, Sea Bright, N. J.....	\$4.20	90 calendar days.
2. F. L. Sage, New York City.....	4.35	Do.
3. Brown & Simpson, New York City.....	4.59	150 calendar days.

Awarded to No. 1.

RIVERS AND HARBORS.

Abstract of bids for dredging and removal of rock and boulders in Staten Island Sound, N. Y. and N. J., received in response to advertisement, and opened at 10 a. m., July 5, 1917, in room 802, Army Building, New York City, N. Y., by the district engineer.

Name and address of bidder.	Price bid per cubic yard, place measurement.
1. P. Sanford Ross (Inc.), Jersey City, N. J.	\$6.66
2. Eugene Breymann, New York City, N. Y.	5.88

Awarded to No. 2.

WRECKS.

Abstract of bids for the removal of sunken barge "Martin Mulqueen" from Raritan Bay, N. J., received in response to advertisement, and opened at 12 o'clock noon, June 17, 1918, in room 1131, South Ferry Building, 44 Whitehall Street, New York City, by the district engineer.

Name and address of bidder.	Price bid.
1. L. W. Blix, Brooklyn, N. Y.	\$1,175
2. Baxter Wrecking Corporation, New York City.	1,798
3. Merritt & Chapman Derrick & Wrecking Co., New York City.	2,000

Awarded to No. 1.

Abstract of bids for the removal of sunken barge "George Chambers" from Raritan Bay, N. J., received in response to advertisement and opened at 12 o'clock noon June 17, 1918, in room 1131, South Ferry Building, 44 Whitehall Street, New York City, N. Y., by the district engineer.

Name and address of bidder.	Price bid.
1. Merritt & Chapman Derrick & Wrecking Co., New York City.	\$1,975
2. L. W. Blix, Brooklyn, N. Y.	1,175
3. Baxter Wrecking Corporation, New York City, N. Y.	1,798

Awarded to No. 2.

Abstract of bids for the removal of sunken barge "J. W. Cummings" from Raritan Bay, N. J., received in response to advertisement and opened at 12 o'clock noon May 20, 1918, in room 1131, South Ferry Building, 44 Whitehall Street, New York City, N. Y., by Mr. H. B. Gorham, assistant engineer, in the absence of the district engineer.

Name and address of bidder.	Price bid.
1. Merritt & Chapman Derrick & Wrecking Co., New York City.	\$1,975
2. Baxter Wrecking Corporation, New York City.	1,648
3. New Jersey Shipbuilding & Dredging Co., Bayonne, N. J.	4,875

Awarded to No. 2.

Abstract of bids for removal of sunken canal boat "C. T. Leonard" from Staten Island Sound, N. Y. and N. J., received in response to public notice and opened at 12 o'clock noon, Nov. 19, 1917, in room 802, Army Building, New York City, N. Y., by the district engineer.

Name and address of bidder.	Price bid.
1. Merritt & Chapman Derrick & Wrecking Co., New York City	\$849
2. Baxter Wrecking Corporation, New York City, N. Y.	985
3. Hudson River Lighterage Co., New York City, N. Y.	1,100

Awarded to No. 1.

Abstract of bids for removing sunken canal boat "Hawaii" from Kill Van Kull, N. Y. and N. J., received in response to public notice and opened at 12 o'clock noon, Aug. 10, 1917, in room 802, Army Building, New York City, N. Y., by the district engineer.

Name and address of bidder.	Price bid.
1. R. G. Packard Co., Bayonne, N. J.	\$250
2. Hudson River Lighterage Co., New York City	400
3. Merritt & Chapman Derrick & Wrecking Co., New York City	494
4. Baxter Wrecking Corporation, New York City	349

Awarded to No. 1.

PHILADELPHIA (PA.) DISTRICT.

[Mr. L. D. Shuman, District Engineer.]

RIVERS AND HARBORS.

Abstract for proposals for drilling and casing one artesian well on Artificial Island in the Delaware River, below Philadelphia, Pa., opened Sept. 15, 1917, by Maj. Mark Brooke, Corps of Engineers, United States Army.

[Appropriation: "Delaware River, Pa., N. J., and Del." (Philadelphia, Pa., to the sea).]

For drilling and casing a well to a depth of—	Artesian Well Drilling Co., Philadelphia, Pa.—Price per linear foot.	Ridpath & Potter Co., Philadelphia, Pa.—Price per linear foot. ¹
300 feet or less.....	\$6.75	\$6.50
301 feet to 400 feet.....	6.75	6.50
401 feet to 500 feet.....	6.75	6.50
501 feet to 600 feet.....	6.75	6.50
601 feet to 700 feet.....	7.25	7.00
701 feet to 800 feet.....	7.25	7.00
801 feet to 900 feet.....	7.25	7.00
901 feet to 1,000 feet.....	7.25	7.00
For furnishing and installing strainer.....	² 5.00	² 6.00

¹ Accepted.

² In place.

Abstract of proposals for constructing and delivering 12 wooden pontoons, opened on Feb. 28, 1918, by L. D. Shuman, district engineer.

[Appropriation: "Delaware River, Pa. and N. J." (Philadelphia, Pa., to the sea).]

Name and address of bidder.	12 wooden pontoons, complete, for the sum of—	Time of delivery.
1. Clement A. Troth, Camden, N. J.....	¹ \$7,200	Within 4 months after limiting date fixed for commencement.
2. Nilson M. Vinyard, trading as Vinyard Ship-building Co., Milford, Del.	19,596	Do.

¹ Accepted.

10 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposals for constructing and delivering 1 wooden pontoon, opened on Feb. 26, 1918, by L. D. Shuman, district engineer.

[Appropriation: "Delaware River, Pa. and N. J." (Philadelphia, Pa., to the sea).]

Name and address of bidder.	1 wooden pontoon, complete, for the sum of—	Time of delivery.
1. Clement A. Troth, Camden, N. J.....	\$1,520.25	Within 4 months after limiting date fixed for commencement.

Accepted.

Abstract of proposals for dredging in Schuylkill River, opened on Mar. 28, 1918, by L. D. Shuman, district engineer.

[Appropriation: "Schuylkill River, Pa."]

Name and address of bidder.	Approximate quantity of material: 992,800 cubic yards, scow measurement.	
	Unit price.	Amount.
1. American Dredging Co., Philadelphia, Pa.....	¹ \$0.38	\$377,264.00
2. Delaware Dredging Co., Philadelphia, Pa.....	.379	376,271.20

¹ Accepted.

Abstract of proposals for dredging and rock excavation in Delaware River, at Trenton, N. J., opened on Apr. 3, 1918, by L. D. Shuman, district engineer.

[Appropriation: "Delaware River, Pa. and N. J." (At Trenton, N. J.)]

Name and address of bidder.	Excavating and disposing of overlying material from areas in which no blasting has been done. Approximate quantity: 35,000 cubic yards, scow measurement.		Excavating and disposing of fragments of ledge rock and overlying material in areas where blasting has been done in connection with previous operations. Approximate quantity: 1,000 cubic yards, scow measurement.		Drilling, blasting, excavating, and disposing of ledge rock. Approximate quantity: 12,000 cubic yards, place measurement.		Total.
	Price per cubic yard.	Amount.	Price per cubic yard.	Amount.	Price per cubic yard.	Amount.	
1. Canal Construction Co. (Inc.), New York, N. Y.....	\$0.62	\$21,700	\$1.50	\$1,500	\$14.60	\$175,200	\$198,400

Bid rejected.

Abstract of proposals for constructing fireproof partitions and installing heating system in the storehouse at Fort Mifflin, Pa., opened Apr. 25, 1918, by L. D. Shuman, district engineer.

[Appropriation: "Delaware River, Pa., N. J., and Del." (Philadelphia, Pa., to the sea.)]

Name and address of bidder.	Price.	Name and address of bidder.	Price.
1. Sutton & Stephenson, Philadelphia, Pa.	\$3,460	5. Edward Fay & Son, Philadelphia, Pa.	\$3,477
2. R. B. Friel Co. (Inc.), Philadelphia, Pa.	12,900	6. Wark Yardley Co., Philadelphia, Pa.	3,032
3. Roydhouse-Arey Co., Philadelphia, Pa.	4,140		
4. F. L. Hoover & Sons (Inc.), Philadelphia, Pa.	3,518		

Abstract of proposals for drilling 1 artesian well on the United States Engineer Department Reservation at Fort Mifflin, Pa., opened May 22, 1918, by L. D. Shuman, district engineer.

[Appropriation: "Delaware River, Pa., N. J., and Del." (Philadelphia, Pa., to the sea.)]

For drilling and casing a well to a depth of—	Artesian Well Drilling Co., Philadelphia, Pa.—Price per linear foot.	Ridpath & Potter Co., Philadelphia, Pa.—Price per linear foot. ¹	Thomas B. Harper Co., Jenkintown, Pa.—Price per linear foot.
300 feet or less.....	\$9.25	\$9.00	\$17.33
301 feet to 400 feet.....	9.25	8.50	17.33
401 feet to 500 feet.....	9.25	8.50	17.33
501 feet to 600 feet.....	9.25	8.50	17.33
601 feet to 700 feet.....	9.25	9.00	17.33
701 feet to 800 feet.....	9.25	9.00	17.33
801 feet to 900 feet.....	9.25	9.00	17.33
901 feet to 1,000 feet.....	9.25	9.00	17.33
For furnishing and installing strainer.....	² 12.00	² 14.00	² 20.00

¹ Accepted.

² In place.

WILMINGTON (DEL.) DISTRICT.

[Mr. Frank C. Warner, district engineer.]

FORTIFICATIONS.

Abstract of proposals for construction of temporary buildings and concrete construction plant near mouth of Mispillion River, Del., opened at United States Engineer Office, Wilmington, Del., July 30, 1917.

Items.	Name and address of bidder.	
	I. C. R. Simpson, New York, N. Y.	2. H. C. Clark, Delaware City Del.
Class A: 4 bunk houses, 1 mess hall and kitchen, 2 latrines, 1 water tower, sewer, and water supply.....	\$11,870	\$13,160
Class B: 1 office, 1 blacksmith shop, 1 storehouse, 1 oil house, 2 cement sheds..	5,283	4,865
Class C: 2 sand and stone bins, trestles, and plank road.....	22,054	29,863
Total.....	39,197	47,888

Contract awarded to C. R. Simpson

12 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposals for furnishing and delivering at site of work, 7 miles from Milford, Del., American Portland cement, concrete sand, and gravel or broken stone, opened Aug. 2, 1917.

Name and address of bidder.	30,000 barrels American Portland cement.		16,000 tons concrete sand (per ton).	34,000 tons concrete gravel or broken stone (per ton).
	Brand.	Per barrel.		
1. Walter Deer, Box 92, Morristown, Pa.....				1 \$3.00
2. Charlestown Sand & Stone Co., Elkton, Md....	Security.....	\$3.01	\$3.05	3.35
3. Atlas Portland Cement Co., No. 30 Broad Street, New York, N. Y.	Atlas.....	1 2 2.34		
4. Lewes Sand Co., Lewes, Del.....			1 1.30	

¹ F. o. b. Milford, Del

² Informal

Contract awarded to Charlestown Sand & Stone Co.

Abstract of proposals for furnishing and delivering reinforcing steel and lumber, opened Aug. 9, 1917.

Name and address of bidder.	Reinforcing steel, per ton, 502.34 tons.		Lumber, per 1,000 feet b. m.		
	F. o. b. cars Milford, Del.	F. o. b. cars on wharf, Philadelphia.	129,000 feet b. m. f. o. b. cars Milford, Del.	129,000 feet b. m. f. o. b. cars on wharf, Philadelphia.	129,000 feet b. m. at site of work near Cedar Beach, 7 miles from Milford.
1. Watson Malone & Sons.....				\$40.75	
2. Trussed Concrete Steel Co.....	{ ² \$89.90				
	{ ³ 91.90				
3. Trussed Concrete Steel Co.....	{ ² 97.00				
	{ ³ 99.00				
4. Jones & Laughlin Steel Co.....	⁴ 85.50	⁵ \$84.50			
5. C. B. Coles & Sons Co.....			⁶ ⁷ \$6,502.00		

¹ Thirty days shipped from Youngstown, Ohio.

² Three-fourth inch or larger bars.

³ One-half-inch bars.

⁴ Contract awarded to Jones & Laughlin Co. for about 400 tons. Remainder of steel and the lumber purchased without entering into contract.

⁵ Present freight rates; with allowance if rates increased.

⁶ Delivered at mouth of Mispillion River, Del.

⁷ Total.

⁸ Seven days shipped from Philadelphia, Pa.

Abstract of proposals for furnishing materials and labor and constructing a radio station at Fort DuPont, Delaware City, Del., opened Apr. 5, 1918.

Name and address of bidder.	Price bid.
1. Barclay White & Co., Philadelphia, Pa.....	\$3,387
2. H. C. Clark, Delaware City, Del.....	2,290

Contract awarded to H. C. Clark.

RIVER AND HARBOR WORKS.

Abstract of proposals for repairs to jetties at mouth of Mantua Creek, N. J., opened at United States Engineer Office, Wilmington, Del., Sept. 22, 1917.

Items.	Name and address of bidder.					
	1. Richard Parrott, Newburgh, N. Y.		2. Brown & Simpson, New York, N. Y.		3. Joseph Anderson, Delaware City, Del.	
	Unit price.	Total.	Unit price.	Total.	Unit price.	Total.
21,000 feet b. m. timber.....	\$125.00	\$2,625.00	\$138.33	\$2,904.93	\$130.00	\$2,730.00
680 linear feet of piles.....	1.25	850.00	3.40	2,312.00	.75	510.00
120 linear feet of caps for splicing.....	2.00	240.00	4.90	588.00	1.50	180.00
10,000 pounds iron.....	.12	1,200.00	.148	1,480.00	.12	1,200.00
410 cubic yards stone.....	3.50	1,435.00	4.80	1,968.00	3.75	1,537.50
Total.....		6,350.00		9,252.93		6,157.50

Contract awarded to Joseph Anderson, bid No. 3.

Abstract of proposals for dredging inland waterway between Rehoboth Bay and Delaware Bay, Del., opened Jan. 10, 1918.

No.	Name and address of bidder.	Unit price per cubic yard.	Total.
1	Delaware Dredging Co., Philadelphia, Pa.....	\$0.38½	\$70,070.00

Abstract of proposals for constructing pile and timber bulkhead, landing platform and dolphins, reinforcement of existing bulkhead, and foundations for storehouse at Atlantic City, N. J., opened Feb. 2, 1918.

Items.	Name and address of bidder.			
	1. Edward L. Bader, Atlantic City, N. J.	2. T. H. Mitchell, Salisbury, Md.	3. Joseph Anderson, Delaware City, Del.	4. Eaton, Brown & Simpson, New York, N. Y.
Bulkhead:				
Oak fender piles in place.....	\$1,572.90		\$1,316.10	\$911.64
Pine anchor piles in place.....	496.00		660.00	208.00
Anchor logs in place.....	109.20		157.50	177.45
Sheet piles in place.....	3,307.50		3,591.00	4,063.50
Timber (wales, etc.) in place.....	396.00		418.00	586.74
Iron (bolts, rods, spikes, etc.) in place.....	400.00		300.00	380.00
Reinforcement of bulkhead:				
Pine anchor piles in place.....	465.00		618.75	195.00
Anchor logs in place.....	150.80		217.50	245.05
Iron (rods, etc.) in place.....	260.00		195.00	195.00
Landing platforms and dolphins:				
Oak piles (clusters) in place.....	1,542.00		1,230.00	882.00
Pine piles in place.....	280.80		256.50	82.35
Timber in place.....	97.50		123.50	89.05
Iron (bolts, spikes, chain, etc.) in place.....	90.00		67.50	67.50
Foundation for storehouse:				
Furnishing all material and constructing foundation—				
Type A.....	1,250.00	\$900.25	1,500.00	1,310.00
Type B.....	1,530.00		1,460.00	1,571.00
Total type A construction.....	10,417.70	19,587.25	10,651.35	9,393.28
Total type B construction.....	10,697.70		10,611.35	9,654.28

¹ Lump-sum total.

Contract awarded to Eaton, Brown & Simpson.

14 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposals for furnishing and placing stone for repairs to jetties at Cold Spring Inlet, N. J., opened June 15, 1918.

Name and address of bidder.	Price bid per ton of 2,000 pounds.
1. D. L. Taylor & Co. (Inc.), Philadelphia, Pa.....	¹ \$12. 20

¹ Alternative bid for 1,500 net tons, omitting shore work, \$14,000.

Contract awarded to D. L. Taylor & Co. (Inc.) for 1,500 net tons, omitting shore work, for sum of \$14,000.

Abstract of proposals for dredging inland waterway between Rehoboth Bay and Delaware Bay, Del., opened June 24, 1918.

Name and address of bidder.	Price per cubic yard.	Total.
	<i>Cents.</i>	
1. Hill Dredging Co., Atlantic City, N. J.....	49½	\$49, 500
2. Delaware Dredging Co., Philadelphia, Pa.....	42	42, 000

Bids rejected as excessive.

BALTIMORE (MD.) DISTRICT.

[Mr. G. W. T. Miller, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals for dredging in channel to Curtis Bay, Md., opened at 1 p. m., Apr. 1, 1918, by John S. Doyle, assistant engineer in charge, under advertisement.

[Appropriation: Harbor at Baltimore, Md. (channel to Curtis Bay).]

Name and address of bidder.	Approximate quantity, scow measurement, 950,000 cubic yards. (Originally estimated cost of the work (1912) 10 cents per cubic yard.)			Remarks.
	Price per cubic yard.	Total for the work.	Date of completion, par. 15 of the specifications.	
1. Maryland Dredging & Contracting Co., Baltimore, Md.	<i>Cents.</i> 26	\$247, 000	.....	Lowest; only bidder.

Contract not awarded.

WASHINGTON (D. C.) DISTRICT.

[Officer: Col. W. L. Fiske, United States Army, retired.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing 15,000 barrels Portland cement for constructing piers and abutments of bridge across Potomac River at Georgetown, D. C., received in response to advertisement, and opened at the United States Engineer Office, 305 Southern Building, Washington, D. C., at 12 m., July 10, 1917, by Col. W. L. Fisk, United States Army, retired.

Name and address of bidder.	Price per barrel, net.	Total.	Brand.	Furnished from mill at—
1. Edison Portland Cement Co., 8 West Fortieth Street, New York, N. Y.	\$1.84	\$27,600	Edison Portland cement.	New Village, N. J.
2. Security Cement & Lime Co., Box 105, Hagerstown, Md.	1.81	27,150	Security.....	Security, Md.
3. The Ohio Coal & Supply Co., 884 The Arcade, Cleveland, Ohio.	2.34	35,100	.....	Bath, Pa.
4. The Atlas Portland Cement Co., No. 30 Broad Street, New York, N. Y. ¹	2.24	33,600	Atlas.....	Northampton, Pa.
5. National Mortar Co., 101 M Street NE.....	1.94	29,100	Tidewater...	Union Bridge, Md.

¹ Recommended for acceptance.

² Including cloth bags.

WRECK.

Abstract of proposals received at the United States Engineer Office, 305 Southern Building, Washington, D. C., and opened at 12 m., Apr. 12, 1918, by Col. W. L. Fisk, United States Army, retired, for removing wreck of the barge "Tangier" from York River, Va.

Name and address of bidder.	Amount of bid.	Accommodations furnished, including meals (yes or no).	Description of plant.
1. Christian S. Juell, New York City...	\$10,000	No.....	Centrifugal pumps, hydraulic jacks, chains, donkey boilers, and tug boat.
2. Charles W. Johnston, Lewes, Del....	2,745	Yes.....	Derrick lighter, diving apparatus, dredge bucket, and explosives.
3. W. H. French Dredging & Wrecking Co. (Inc.), Norfolk, Va.	9,390	Yes.....	Wrecking barge "Resolute" with equipment consisting of pump, divers, diving apparatus, etc., or other vessel suitable for raising, blowing up, and removing wreck.

NORFOLK (VA.) DISTRICT.

[Officer: Maj. Gen. Peter C. Hains, United States Army, retired.]

FORTIFICATIONS.

Abstract of proposals received in response to written notice No. 2905, and specifications, opened at 12 o'clock, noon, Sept. 8, 1917, by Maj. E. D. Ardery, Corps of Engineers, at United States Engineer office, room 15, customhouse, Norfolk, Va., for furnishing and delivering lumber, f. o. b. Cape Henry, Va.

[Supplies for use in connection with fortification work at Cape Henry (Fort Story), Va.]

No. of proposal.	Names and addresses of bidders.	Total cost at price bid.	Estimated cost.	Remarks.
1	W. P. Cake, Norfolk, Va.....	\$1,945.00	\$1,500.00	Certified check for \$462.50, in place of guaranty.
2	C. M. Baylor & Co., Norfolk, Va.....	1,850.00	1,500.00	
3	Montague Manufacturing Co., Richmond, Va.	¹ 1,487.88	1,500.00	

¹Accepted proposal.

Informalities.—Proposal No. 1: Guaranty is incomplete in the following particulars. Oath of guarantor as to financial responsibility is not executed, and certificate of officer of court as to financial responsibility of guarantors is not furnished.

Proposal No. 3: The guarantee is incomplete in the following particulars:

The signatures of the bondsmen are not witnessed.

Notary's seal, etc., is not attached.

Certificate as to financial responsibility of bondsmen is not executed.

The title of the official of the corporation signing the proposal is not stated.

Abstract of informal proposals received by Maj. Gen. Peter C. Hains, United States Army, retired, district engineer, dated June 22, 1918, for dredging at Fort Monroe, Va.

[Dredging, fortification work, at Fort Monroe, Va.]

No. of proposal.	Name and address of bidder.	Approximate quantity (cubic yards).	Price bid per cubic yard, place measurement.	Total cost at price bid.	Estimated cost per cubic yard, place measurement.	Remarks.
1	Sanford & Brooks Co., Baltimore, Md.	250,000	¹ \$0.22	\$55,000.00	\$0.22	Proposal also offered as an alternative to dredging at a fixed rate per cubic yard, to charter the dredge Dewey at a per diem rental of \$500 for 1 shift, or \$750 for 20 hours.

¹Accepted proposal.

Abstract of proposals received in response to written notice No. 2922, and specifications, opened at 12 o'clock, noon, Sept. 24, 1917, by Maj. Gen. Peter C. Hains, United States Army, retired, district engineer, at United States Engineer office, room 15, customhouse, Norfolk, Va., for furnishing and delivering concrete reinforcement bars, f. o. b. Cape Henry, Va.

[Supplies for use in connection with fortifications work at Cape Henry (Fort Story), Va.]

No. of proposal.	Names and addresses of bidders.	Total cost at price bid.	Estimated cost.	Remarks.
1	Rossllyn Steel & Cement Co., Washington, D. C.	\$5,685.00	\$5,000	Bidder proposes to substitute 1½ inch bars, in lieu of 1½ inch bars, a sufficient number being furnished to make up the area and weight of the larger bars.
2	Trussed Concrete Steel Co., Youngstown, Ohio.	1 3,367.50	5,000	This proposal is incomplete, the bidder not quoting on the 1½ inch bars, or any substitute.
3	Dietrich Bros., Baltimore, Md.	2 5,470.00	5,000	Bidder proposes to substitute smaller bars in lieu of 1½ inch bars, equivalent areas and weights of smaller sections to be furnished.

¹ Incomplete proposal.

² Accepted proposals.

Informalities.—Proposal No. 2: The representative of company signing bid does not give his official designation.

No guaranty accompanies proposal.

Proposal is for furnishing only a part of the material, as noted in "Remarks."

Proposals Nos. 1 and 3: Bidders propose to substitute different sizes of bars for part of the material specified, as noted in "Remarks."

Abstract of proposals received in response to circular letter dated June 2, 1917, issued by Lieut. Col. J. P. Jervey, Corps of Engineers, U. S. Army, United States Engineer Office, customhouse, Norfolk, Va., for furnishing and delivering dump cars and flat cars.

[Equipment for use in connection with fortification work at Cape Henry (Fort Story), Va.]

Name and address of bidder.	For furnishing and delivering ten 10-yard dump cars.		Estimated cost.	For furnishing and delivering eight 10-ton flat cars.		Estimated cost.	For furnishing and delivering two 20-ton flat cars.		Estimated cost.
	Unit price.	Total.		Unit price.	Total.		Unit price.	Total.	
1. Standard Supply & Equipment Co., Norfolk, Va. ¹	\$1,643.25	\$16,432.50	\$9,000.00	\$445.00	\$3,560.00	\$4,000.00	\$1,026.00	\$2,052.00	\$1,800.00
2. Western Wheeled Scraper Co., Aurora, Ill. ³	2 975.50	9,755.00	9,000.00	2 598.00	4,784.00	4,000.00	.....	.....	1,800.00
3. John D. Westbrook (Inc.), Norfolk, Va. ²	1,724.00	17,240.00	9,000.00	473.00	3,784.00	4,000.00	1,079.00	2,158.00	1,800.00

¹ Delivery f. o. b. Norfolk, Va.

² Accepted proposals.

³ Delivery f. o. b. Cape Henry, Va.

Abstract of proposals received in response to circular letter dated June 2, 1917, issued by Lieut. Col. J. P. Jervey, Corps of Engineers, U. S. Army, United States Engineer Office, customhouse, Norfolk, Va., for furnishing and delivering dump cars and flat cars—Continued.

Name and address of bidder.	For furnishing and delivering twelve 8-yard dump cars (alternative bid).		Estimated cost.	For furnishing and delivering sixteen 6-yard dump cars (alternative bid).		Estimated cost.	Remarks.
	Unit price.	Total.		Unit price.	Total.		
1. Standard Supply & Equipment Co., Norfolk, Va. ¹	\$907.00	\$10,884.00	\$9,000.00	\$608.00	\$9,728.00	\$9,000.00	Prices named are for delivery f. o. b. Norfolk, Va., instead of Cape Henry, Va.
2. Western Wheeled Scraper Co., Aurora, Ill.	-----	-----	9,000.00	-----	-----	9,000.00	
3. John D. Westbrook (Inc.), Norfolk, Va. ¹	953.00	11,436.00	9,000.00	-----	-----	9,000.00	Proposal not submitted in duplicate.

¹ All proposals rejected for alternative items.

RIVERS AND HARBORS.

Abstract of proposals received in response to written notice No. 2809, and specifications, opened at 12 o'clock, noon, June 13, 1917, by Lieut. Col. J. P. Jervey, Corps of Engineers, at United States Engineer Office, customhouse, Norfolk, Va., for furnishing and delivering repair parts for U. S. Dredge "Currituck," f. o. b. Norfolk, Va.

[Equipment, river and harbor work, in connection with the inland waterway from Norfolk, Va., to Beaufort Inlet, N. C.]

Name and address of bidder.	For furnishing and delivering repair parts for U. S. dredge "Currituck."			Total cost at price bid.	Estimated cost.	Remarks.
	Lot A.	Lot B.	Lot C.			
1. Ellicott Machine Corporation, Baltimore, Md.	-----	-----	-----	\$13,387.94	\$9,590.08	Proposal was made for furnishing lots A, B, and C for a lump sum.

¹ Accepted proposal.

Informalities: A letter attached to proposal, and forming a part thereof, makes the proposal of Ellicott-Machine Corporation, the only bidder, subject to modifications in the specifications, in the following particulars: (1) All of the repair parts to be furnished for a lump sum, instead of bidding to furnish separate lots; (2) patterns not to be furnished; (3) total liquidated damages applying to proposal to be \$20 per day, instead of providing for liquidated damages for failure to furnish each lot.

Abstract of informal proposals received by the Chief of Engineers, U. S. Army, dated Dec. 19, 1917, for dredging 40-foot channel in Norfolk Harbor, Va.—Dredging and disposal of excavated material.

Name and address of bidder.	Approximate quantity (cubic yards).	Price bid per cubic yard, scow measurement.	Total cost at price bid.	Estimated cost per cubic yard, scow measurement.
1. De Witt D. Barlow, New York.....	1,500,000	¹ \$0.26	\$390,000	\$0.195

¹ Accepted proposal.

WRECKS.

Abstract of proposals received in response to written notice No. 3161 and specifications, opened at 12 o'clock noon, June 24, 1918, by Maj. Gen. Peter C. Hains, U. S. Army, retired, district engineer, room 15, customhouse, Norfolk, Va., for removing wreck of dredge sunk in Hampton Roads, Va.

Names and addresses of bidders.	For removing wreck.	Estimated cost.
1. W. H. French Dredging & Wrecking Co. (Inc.), Norfolk, Va.....	\$3,160.00	\$2,500.00
2. Charles W. Johnston, Lewes, Del.....	¹ 2,900.00	2,500.00

¹ Accepted proposal.

Abstract of proposals received in response to written notice No. 3177 and specifications, opened at 12 o'clock noon, June 29, 1918, by Maj. Gen. Peter C. Hains, U. S. Army, retired, district engineer, room 15, customhouse, Norfolk, Va., for removing the abandoned wreck of dredge sunk in the channel of the Appomattox River, Va.

Names and addresses of bidders.	For removing wreck.	Estimated cost.	Remarks.
1. W. J. Wilson, Norfolk, Va.....	\$1,190.00	\$2,000.00	Certified check in place of guaranty.
2. Charles W. Johnston, Lewes, Del....	775.00	2,000.00	No guaranty.
3. N. B. Register, Lewes, Del.....	1,825.00	2,000.00	Do.
4. W. C. Booker, Norfolk, Va.....	¹ 750.00	2,000.00	Guaranty furnished by bonding company.
5. W. B. Bradley, Richmond, Va.....	2,850.00	2,000.00	Individual guarantors.

¹ Accepted proposal.

Informalities: Proposal No. 2, no guaranty was furnished for this proposal; proposal No. 3, no guaranty was furnished for this proposal.

SAVANNAH (GA.) DISTRICT.

[Officer: Col. John Millis, Corps of Engineers.]

RIVERS AND HARBORS.

Abstract of bids for bank-protection work on the Savannah River at Augusta, Ga., received in response to advertisement, as per copy attached hereto, and opened in the United States Engineer Office, Savannah, Ga., at 12 o'clock noon (eastern standard time), July 20, 1917, by Col. John Millis, Corps of Engineers.

[Appropriation: Savannah River at Augusta, Ga.]

Name and address of bidder.	Stone for rip-rap mound, 3,500 tons.		Stone for sub-pavement, 2,000 tons.		Stone for top pavement, 2,300 tons.		Total.	Remarks.
	Price.	Amount.	Price.	Amount.	Price.	Amount.		
1. A. J. Twigg & Son, Augusta, Ga.	\$3.50	\$12,250.00	\$3.90	\$7,300.00	\$3.85	\$8,855.00	\$28,905.00	Bid not signed.
2. Simons-Mayrant Co., Charleston, S. C.	3.30	11,550.00	3.80	7,600.00	4.30	9,890.00	29,040.00	Recommended for acceptance.

COAL.

Abstract of bids for furnishing and delivering bituminous coal to United States dredges etc., received in response to circular letter and opened in the United States Engineer office, Savannah, Ga., at 12 noon, Oct. 23, 1917.

[Appropriations: Waterway between Savannah, Ga., and Fernandina, Fla.; inland waterway between Savannah, Ga., and Beaufort, S. C.; harbors at Savannah and Darien, Ga.]

Name and address of bidder.	Price per ton.	Brand.
1. Taggart Coal Co., Savannah, Ga.....	\$6.89	Harlan.

JACKSONVILLE (FLA.) DISTRICT.

[Mr. J. M. Braxton, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing shore discharge pipe for dredge "Mallery," receive, in response to circular letter and opened in United States Engineer office, Jacksonville, Fla., Aug. 10, 1917.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	For 18-inch diameter riveted iron shore discharge pipe, about 504 linear feet.						Material manufactured by—	Pipe constructed by—
	Constructed from ingot tank plate iron.		Constructed from galvanized ingot iron.		Constructed from steel.			
	Price per linear foot.	Amount.	Price per linear foot.	Amount.	Price per linear foot.	Amount.		
1. Florida Metal Products Co., Jacksonville, Fla.	\$5.33	\$2,686.32	.....	Own plant.
2. Lancaster Iron Works, Lancaster, Pa.	3,008.00	.....	Do.
3. The M. W. Kellogg Co., Jersey City, N. J.	8.35	4,208.40	.....	Do.
4. Merrill-Stevens Co., Jacksonville, Fla.	6.00	3,024.00	.....	Do.
5. Dixie Culvert & Metal Co., Jacksonville, Fla.	\$4.84	\$2,439.36	\$2.91	¹ \$1,498.65	.....	.....	American Rolling Mill Co.	Do.

¹ Accepted.

Abstract of proposals for furnishing manila rope (6 coils 4½-inch and 2 coils 3¾-inch) for use on dredges in Florida district, received in response to circular proposal and opened in United States Engineer office, Jacksonville, Fla., Aug. 20, 1917.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Weight per coil.		Total weight.	Price per pound.	Total.	Delivery.	Brand.
	4½-inch.	3¾-inch.					
1. Industrial Specialties Co., Cincinnati, Ohio.	720	504	5,328	\$0.31875	\$1,698.30	1	Peoria Cordage Co.
2. The Cameron & Barkley Co., Jacksonville, Fla.	750	500	5,500	.285	1,518.48	1	Standard manila.
3. St. Louis Cordage Mills, St. Louis, Mo.	686	478	5,072	.3075	1,559.64	7	Edward H. Fidler Co., Philadelphia, Pa.
4. C. W. Greene Co., Tampa, Fla.	720	504	5,328	.3350	1,784.88	.....	St. Louis Cordage Mills.
5. Southern Rubber & Supply Co., Atlanta, Ga.	715	505	5,300	.31925	1,692.03	At once.	Plymouth.
6. Geo. E. Chase & Co., Jacksonville, Fla.	720	504	5,328	.34	1,811.52	.....	Whitman Cordage Co., New York.
7. Fischer & Hayes Rope Co., Chicago, Ill.	720	504	5,328	.3225	1,718.28	.....	Plymouth.
8. Merrill-Stevens Co., Jacksonville, Fla.	750	520	5,540	.3283	1,818.78	.....	Do.
9. Georgia Supply Co., Jacksonville, Fla.	720	504	5,328	.38	2,024.64	.....	Quaker City Cordage Co.
10. Macomber & White Rope Co., Chicago, Ill.	720	505	5,330	.31	1,652.30	.....	Columbian.
							Do.

¹ Accepted.

Abstract of proposals for furnishing 2 pump liners for dredge "Mallery," received in response to circular proposal and opened in the United States Engineer office, Jacksonville, Fla., Aug. 24, 1917.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Two pump liners, f. o. b. wharf, Jacksonville, Fla.	Remarks.
1. John F. Reilly Foundry & Machine Works, Charleston, S. C.	\$418. 20	
2. Ellicott Machine Corporation, Baltimore, Md.	374. 00	
3. Valk & Murdock Co., Charleston, S. C.	377. 50	\$49 added to bid by wire Aug. 24, 1917. Subject to acceptance within 5 days.
4. T. Murphy Iron Works, Jacksonville, Fla.	1 364. 50	

¹ Accepted.

Abstract of proposals for hauling out and repairing U. S. dredge "Mallery," received in response to circular letter and opened in the United States Engineer office, Jacksonville, Fla., Sept. 5, 1917.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Amount of bid.	Time of completion of work.	Remarks.
1. Valk & Murdock Co., Charleston, S. C.	\$7,393. 80	Indefinite.....	
2. Merrill-Stevens Co., Jacksonville, Fla.	1 9,079. 73	Ten days after receipt of notification of acceptance of proposal.	Lower bid taking cost of voyage to Charleston, S. C., and return into consideration. (See par. 7 of specifications.)

¹ Accepted.

Abstract of proposals for furnishing spuds for dredge "Mallery," received in response to circular letter and opened in United States Engineer office, Jacksonville, Fla., Sept. 12, 1917.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Four timber spuds, 65 feet long.				Shipping point.	Remarks.
	Material.	Price each.	Amount.	Constructed at.		
1. R. A. Roberts and R. D. Miller, Orange Grove, Miss.	Pine.....	\$150	\$600	.....	Nearest.....	Accepted, but not furnished.
2. John Morris, Mobile, Ala.	{Red gum..	200	800	Alabama or Tombigbee Rivers.	Mobile, Ala...	
	{Slash pine	175	700			
3. Dan Fairley, Hattiesburg, Miss.	Red gum..	250	1,000	Near Hattiesburg, Miss.	Near Hattiesburg, Miss.	

Abstract of proposals for furnishing 18-inch discharge pipe for dredge "Mallery," received in response to circular letter and opened in the United States engineer office, Jacksonville, Fla., Sept. 18, 1917.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Six hundred lineal feet discharge pipe, 18-inch diameter.						Amount.	Pipe constructed by.	Remarks.
	Steel pipe.			Iron pipe.					
	Wrought, per foot.	Amount.	Lap welded, per foot, $\frac{1}{8}$ inch thick.	Amount.	Riveted, per foot.	Amount.				Riveted, per foot.
1. Crane Co., Birmingham, Ala.	\$5.31 1 4.56 2 6.52 1 5.76	\$3,186 2,736 3,912 3,456						{ National Tube Co. Pittsburgh, Pa.	Delivery $\frac{1}{2}$ inch pipe, 1 year from date; $\frac{1}{4}$ inch pipe in 120 days.
2. John F. Reilly, Charleston, S. C.			{ \$14.52 4.25	{ \$8,712 2,550					{ 350 feet to be delivered from stock; balance in about 40 weeks.
3. New Bern Iron Works, New Bern, N. N.						\$6.10	\$3,660	American Rolling Mill Co.	
4. The M. W. Kellogg Co., New York, N. Y.			{ \$5.67 \$6.78	{ \$3,402 4,068				National Tube Co.	
5. Merrill-Stevens Co., Jacksonville, Fla.					\$15.00	\$9,000			
6. Lancaster Iron Works (Inc.), Lancaster, Pa.					8.75	5,250			
7. Kehoe's Iron Works, Savannah, Ga.					6.12 $\frac{1}{2}$	3,675			
8. Ellicott Machine Corporation, Baltimore, Md.						6,763		Bidder	Delivered in 60 days.

¹ Not heated or dipped.

² Dipped, not heated.

³ All bids rejected.

Abstract of proposals for furnishing shore discharge pipe for the dredge "Mallery," received in response to public notice and opened at the United States Engineer office, Jacksonville, Fla., Oct. 10, 1917.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	About 512 feet, 18 inches diameter iron or steel riveted discharge pipe.						Remarks.	
	10 gauge.		Amount.	12 gauge galvanized iron pipe.		Delivery in (days).		Iron plate manufactured by.
	Iron pipe per foot.	Steel pipe per foot.		Per foot.	Amount.			
1. Alabama Dry Dock & Shipbuilding Company, Mobile, Ala.	} \$4.07	\$3.93	{ \$2,083.84	.....	.....	100	American Rolling Mill Co. Illinois Steel Co.	Immediate acceptance. Do.
2. The M. W. Kellogg Co., New York, N. Y.			7.63	{ 2,012.16	.....			.....	110
3. The Dixie Culvert & Metal Co., Jacksonville, Fla.	1 3,45	.....	1,766.40	\$3.45	\$1,766.40	.....	American Rolling Mill Co.	Bid not in duplicate. Pipe to be constructed by L. O. Koven & Bro., Jersey City, N. J.

1 Accepted.

Abstract of proposals for furnishing about 62,000 tons stone and raising the outer portions of jetties at entrance to St. Johns River, Fla., received in response to attached advertisement and specifications and opened in the United States Engineer office, Jacksonville, Fla., Jan. 5, 1918, by J. W. Sackett, chief assistant engineer in charge.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Price per ton.	Total.	Remarks.
1. R. S. Sales, Savannah, Ga.....	\$3.89	\$241,180	Lowest bid.
2. Roderick G. Ross, Jacksonville, Fla.....	¹ 3.37	208,940	
3. John Emile, Jacksonville, Fla.....	5.95	368,900	

¹ Accepted. Canceled by supplemental agreement.

Abstract of proposals for furnishing wire rope, received in response to circular proposal and opened in the United States Engineer office, Jacksonville, Fla., Jan. 7, 1918.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Steel-wire rope. Four reels, 600 feet each, $\frac{7}{8}$ inch diameter.			Delivery (days).	Remarks.
	Price per foot.	Total.	Made by—		
1. John A. Roebling's Sons Co., Atlanta, Ga.	<i>Cents.</i> 21.42	\$514.08	John A. Roebling's Sons Co., Trenton, N. J.	Ship in 30 days..	Standard plow steel. Breaking strain, 29 tons. Laid in Texaco crater composition. Changes specification as to breaking strength on one copy of bid.
2. Fischer & Hayes Rope Co., Chicago, Ill.	32.00	768.00	Williamsport Wire Rope Co., Williamsport, Pa.	Ship in 120 days.	
3. Hazard Mfg. Co., New York, N. Y.	21.42	514.08	Hazard Mfg. Co., Wilkes-Barre, Pa.	Ship in 180 days.	

All bids rejected.

Abstract of proposals for furnishing 8 coils, 4 strand, pure manila rope, 5 inches diameter, received in response to circular proposal and opened in the United States Engineer office, Jacksonville, Fla., Jan. 7, 1918.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Price per pound.	Approximate weight, pounds.	Manufactured by—	Remarks.
1. Industrial Specialties Co., Cincinnati, Ohio.	<i>Cents.</i> 33½	1,012	Peoria Cordage Co., Peoria, Ill.	[Whitlock brand. Atlantic brand.
2. C. W. Greene Co., Tampa, Fla.	35½	890	Plymouth Cordage Co., Plymouth, Mass.	
3. Southern Rubber & Supply Co., Atlanta, Ga.	{ 134½ 33½	885	Whitlock Cordage Co., New York, N. Y.	
4. Fischer & Hayes Rope Co., Chicago, Ill.	33½	900	Upson-Walton Co., Cleveland, Ohio.	
5. St. Louis Cordage Mills, St. Louis, Mo.	37 $\frac{1}{16}$	855	St. Louis Cordage Mills, St. Louis, Mo.	Ship within 2 weeks.
6. Geo. E. Chase & Co., Jacksonville, Fla.	37	900	Plymouth Cordage Co., Plymouth, Mass.	Ship in 3 days, via Boston.
7. J. G. Christopher Co., Jacksonville, Fla.	36	1,012½	Columbian Rope Co., Auburn, N. Y.	Bid on 4 coils only.
8. The Cameron & Barkley Co., Jacksonville, Fla.	36	1,140	Waterbury Co.....	Bid received 11.30 a. m., Jan. 8, 1918; postmarked 6 p. m., Jan. 7, 1918.

¹ Accepted.

Abstract of proposals for furnishing dredging sleeves for United States dredges, Florida district, received in response to circular letter and opened in the United States Engineer office, Jacksonville, Fla., on Jan. 15, 1918.

[Appropriation: River and harbor works in Florida district.]

Name and address of bidder.	12—12-ply, 23½ inches inside diameter, 28 inches long.		80—10-ply, 19 inches inside diameter, 24 inches long.		24—6-ply, 13 inches inside diameter, 18 inches long.		12—6-ply, 11½ inches inside diameter, 18 inches long.		Grand total.	Remarks.
	Each.	Total.	Each.	Total.	Each.	Total.	Each.	Total.		
1. Southern Rubber & Supply Co., Atlanta, Ga.	\$82.25	\$987.00	\$46.30	\$3,704.00	\$12.95	\$310.80	\$11.45	\$137.40	\$5,139.20	Goodrich brand manufactured by B. F. Goodrich Co., Akron, Ohio. Sample.
2. New York Belting & Packing Co., New York City.	66.00	792.00	46.80	3,744.00	17.50	420.00	15.50	186.00	5,142.00	Specifications and sample.
3. The B. F. Goodrich Rubber Co., Akron, Ohio.	61.00	732.00	40.00	3,200.00	16.75	402.00	16.25	195.00	4,529.00	Within 45 days after receipt of order. Sample.
4. The Gutta Percha & Rubber Mfg. Co., New York City.	61.36	736.32	41.28	3,302.40	16.91	405.84	14.81	177.72	4,622.28	Sample.
5. The Goodyear Tire & Rubber Co., Akron, Ohio.	64.95	779.40	38.80	3,104.00	16.50	396.00	15.00	180.00	4,459.40	If all four orders are placed same day, not more than 50 sleeves will be shipped per 30 days. Sample.
6. United States Rubber Co., New York City..	96.65	1,159.80	61.70	4,936.00	23.55	565.20	21.17	254.04	6,915.04	No sample. Bid not on proposal form.
7. Boston Woven Hose & Rubber Co., Boston, Mass.	64.90	778.80	42.40	3,392.00	17.90	429.60	16.25	195.00	4,795.40	Delivery subject to obtaining raw materials. Bid corrected on telegraphic request. Sample.
8. The Manhattan Rubber Mfg. Co., Passaic, N. J.	68.32	819.84	43.18	3,454.40	17.45	418.80	15.39	184.68	4,877.72	Sample.
9. New Jersey Car Spring & Rubber Co., Jersey City, N. J.	62.07	744.84	36.10	2,888.00	13.90	333.60	12.50	150.00	4,116.44	No sample. Require entire order to be placed at once.
10. New York Rubber Co., New York City...	66.53	798.36	40.24	3,219.20	16.56	397.44	14.64	175.68	4,590.68	Prices subject to securing raw material based on sleeves having 2 plies more than called for. No sample.

¹ Accepted.

Abstract of proposals for furnishing four spud timbers for United States dredge "Mallery," received in response to circular letter and opened in United States Engineer office, Jacksonville, Fla., Jan. 27, 1918.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Material.	Unit price.	Total.	Location.
1. M. R. Frederick, Mobile, Ala.....	Red gum..	¹ \$225	\$900	On Lonsville & Nashville Ry., 70 miles north of Mobile. Near Hattiesburg, Miss. Received by mail at 4.20 p. m. Jan. 17, 1918; price f. o. b. Seattle, Wash.
2. Dan Fairley, Hattiesburg, Miss.....	...do.....	250	1,000	
3. G. Ellis & Bro.(Inc.), Buffalo, N. Y.	Fir.....	250	1,000	

¹ Accepted.

Abstract of proposals for furnishing four reels, each 600 feet, of 3/8-inch wire rope having a breaking strain of 35 tons, to the dredge "Mallery," received in response to circular advertisement opened in United States Engineer office, Jacksonville, Fla., Jan. 28, 1918.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Brand.	Unit price.	Total of bid.	Remarks.
1. A. Leschen & Sons Co., St. Louis, Mo.	Hercules Red Strand.	\$0.29835	\$716.04	Estimate shipment in 4 months. Not responsible if delivery not made in estimated time. Will ship within 90 days.
2. American Steel & Wire Co., New York, N. Y.	Monitor.....	¹ .29835	716.04	

¹ Accepted.

Abstract of proposals for repair work on dredge "Key West," received in response to circular advertisement opened Apr. 19, 1918, in United States Engineer office, Jacksonville, Fla.

[Appropriation: St. Johns River, Fla. (general improvement).]

Name and address of bidder.	Total amount bid.	Date dock available.
1. Merrill-Stevens Shipbuilding Corporation, Jacksonville, Fla.	\$12,006.15	About 10 days after notice.
2. Valk & Murdock Co., Charleston, S. C.....	¹ 9,652.00	10 days after notice.
3. New Orleans Dry Dock & Shipbuilding Co., New Orleans, La.	12,351.54	Soon as possible after notice.
4. Naval station, New Orleans, La.....	7,276.50	About June 1, 1918.

¹ Accepted.

NOTE.—The bid of the naval station at New Orleans is low for the work, but taking into consideration the cost of the round trip of approximately 2,400 miles, estimated to require 15 days, and the time lost from work over the time required if the dredge is sent to Charleston, S. C., it is evident that the work at New Orleans would be more costly.

Abstract of proposals for furnishing riveted iron shore discharge pipe (22-inch) for dredge "Barnard," received in response to circular advertisement, opened Apr. 19, 1918, in the United States Engineer office, Jacksonville, Fla.

[Appropriation: Hillsboro Bay, Fla.]

Name and address of bidder.	Price per foot.		Total of bid.	Remarks.
	Iron pipe.	Steel pipe.		
1. Lancaster Iron Works (Inc.), Lancaster, Pa.	.....	\$8.37	\$8,370.00	Delivery in 10 weeks after receipt of order (based on mill promises).
2. Kehoe's Iron Works, Savannah, Ga.	.....	4.75	4,783.25	Delivery in 90 days; f. o. b. cars at Tampa, Fla.
3. John H. Murphy Iron Works, New Orleans, La.	\$5.24	.....	5,240.00	Delivery 120 days.
4. Machold & Riddell, Philadelphia, Pa.	.....	5.47	5,508.00	Delivery in 14 days after receipt of plates from mill; price is f. o. b. cars at Tampa, Fla.
5. The Dixie Culvert & Metal Co., Jacksonville, Fla.	4.75	.....	4,750.00	Delivery in 90 days after receipt of order.
6. New Bern Iron Works & Supply Co., New Bern, N. C.	3.80	.....	1 3,800.00	Bid by telegram dated Apr. 18, 5.35 p. m., at New Bern, N. C.; telegram received Apr. 19, before noon.

¹ Accepted.

Abstract of proposals received in response to circular letter for removal of water hyacinth and other obstructions from the Withlacoochee River between Istachatta and Panasoffkee Run, Fla., opened May 19, 1918, in United States Engineer office, Jacksonville, Fla.

[Appropriation: Water hyacinth.]

Name and address of bidder.	Price bid.
1. J. B. White, Istachatta, Fla.	\$600.00
2. J. W. Swain, Istachatta, Fla.	1 600.00
3. Isaac M. Woodard, Bushnell, Fla.	1,080.00

¹ Accepted.

NEW ORLEANS (LA.) DISTRICT.

[Mr. T. E. L. Lipsey, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals received in response to advertisement by newspaper for a period of 30 days, for furnishing and delivering about 30,000 cords of willows and 500 cords of poles, for South and Southwest Passes, Mississippi River, and opened by Col. J. C. Sanford, Corps of Engineers, room 325, customhouse, New Orleans, La., at 11 a. m. June 28, 1917.

[Passes of Mississippi River. Maintenance of South Pass Channel, Mississippi River.]

Name and address of bidder.	30,000 cords of willows.		500 cords of poles.		Grand total.
	Unit price.	Total.	Unit price.	Total.	
R. M. Murphy Co. (Inc.), Venice, La. (June 27, 1917).	1 \$1.75	\$52,500	1 \$4	\$2,000	\$54,500

¹ Accepted and contract entered into Aug. 22, 1917.

Abstract of proposals received in response to advertisement by newspaper for a period of 30 days for furnishing and delivering piles, walings, and lumber on the bank or wharves in Southwest Pass, Mississippi River, and opened by Col. J. C. Sanford, Corps of Engineers, room 325, customhouse, New Orleans, La., on Nov. 13, 1917.

[Passes of Mississippi River.]

	Lester F. Alexander, New Orleans, La.		Delta Lumber Co., New Orleans, La.		G. Elias & Bro., Buffalo, N. Y.	
	Unit price.	Total.	Unit price.	Total.	Unit price.	Total.
Lot No. 1, creosoted round piles:						
60 feet long, 24,000 linear feet.....	\$0.63	\$15,120.00				
50 feet long, 10,000 linear feet.....	.63	6,300.00				
40 feet long, 6,000 linear feet.....	.63	3,780.00				
Lot No. 2, creosoted waling timbers: 5,400 linear feet.....	.86	4,644.00				
Lot No. 3, creosoted sawed lumber, 10 by 12 inches:						
16 feet long, 8,000 feet b. m.....	76.50	612.50				
14 feet long, 7,000 feet b. m.....	76.50	535.50				
24 feet long, 16,800 feet b. m.....	76.50	1,285.20				
<i>Uncreosoted material—Alternate bid.</i>						
Lot No. 1, round piles:						
60 feet long, 24,000 linear feet.....	.17	4,080.00	\$0.15	\$3,600.00	\$0.25	\$6,000.00
50 feet long, 10,000 linear feet.....	.17	1,700.00	.14½	1,450.00	.22½	2,250.00
40 feet long, 6,000 linear feet.....	.17	1,020.00	.14	840.00	.20	1,200.00
Lot No. 2, waling timbers: 5,400 linear feet:	.65	3,510.00	.45	2,430.00	.90	4,860.00
Lot No. 3, sawed lumber, 10 by 12 inches:						
16 feet long, 8,000 feet b. m.....	43.00	344.00	1 32.00	256.00	45.00	360.00
14 feet long, 7,000 feet b. m.....	43.00	301.00	1 32.00	224.00	45.00	315.00
24 feet long, 16,800 feet b. m.....	43.00	722.40	1 33.00	554.40	47.00	789.60

¹ Accepted, and contract entered into Jan. 14, 1918.

Abstract of proposals received in response to advertisement by newspaper for a period of 30 days, for furnishing and placing on the jetties at Southwest Pass, Mississippi River, about 33,300 tons of stone, and opened by T. E. L. Lipsey, assistant engineer in charge, room 325, customhouse, New Orleans, La., at 11 a. m., Nov. 27, 1917.

[Passes of Mississippi River.]

Name and address of bidder.	(a) Measurement by displacement (33,300 tons).		(b) Alternate measurement car weights (33,300 tons).	
	Unit price.	Total.	Unit price.	Total.
1. Lester F. Alexander, New Orleans, La.....				
Date of bid: Nov. 27, 1917. Quarries: Dalcito, Gantt's Quarry, Boyles, Ala., Winfield, La., and reserves right to substitute other quarries where stone fulfills requirements of specifications. Character of stone: Dolomite, marble, limestone. Specific gravity: 2.6.	¹ \$5.62 ² 5.42	\$187,146 180,486		
2. D. M. Picton & Co., Galveston, Tex.....	6.42	213,786		
Date of bid: Nov. 27, 1917. Quarries: In Alabama, Georgia, and Kentucky. Character of stone: Sandstone, limestone. Specific gravity: Not less than 156 pounds per cubic foot.				

¹ Accepted, and contract entered into Dec. 17, 1917.

² Bid was reduced 20 cents per ton on account of acceptance before Dec. 4, 1917.

Abstract of proposals received in response to advertisement for a period of 30 days for bulkhead at Southwest Pass, Mississippi River, and opened by T. E. L. Lipsey, assistant engineer in charge, room 325 Customhouse, New Orleans, La., at 11 a. m., Dec. 5, 1917.

[Passes of Mississippi River.]

Name and address of bidder.	Piling, walings, and other timber creosoted (11,300 linear feet).		Alternate bid, material not creosoted (11,300 linear feet).	
	Unit price.	Total.	Unit price.	Total.
1. Lester F. Alexander, New Orleans, La.....	\$68.75	\$776,875.00	\$39.75	\$449,175
2. D. M. Picton & Co., Galveston, Tex.....	¹ 64.75	731,675.00		
3. Wm. Moore, Texas City, Tex.....	72.75	822,075.00		
	76.50	864,450.00	46.65	527,145

¹ Accepted and contract entered into Feb. 20, 1918.
² On account of modification, time to complete, change in sheet piling, and creosote oil, the price was reduced to \$64.75 per linear foot.

Abstract of proposals received in response to advertisement by newspaper for period of 30 days for furnishing and delivering stone for Head of Passes and Southwest Pass, Mississippi River, and opened by T. E. L. Lipsey, assistant engineer in charge, room 325 Customhouse, New Orleans, La., at 11 a. m., Dec. 11, 1917.

[Passes of Mississippi River.]

Name and address of bidder.	15,000 cubic yards.		Alternate No. 1. Delivered on U. S. barges at New Orleans, La.		Alternate No. 2. Loaded on railroad cars at or near quarries.	
	Unit price.	Total.	Unit price.	Total.	Unit price.	Total.
1. Lester F. Alexander, New Orleans, La..	\$4.88	\$73,200				
If bid accepted before Dec. 17, 1917.....	¹ 4.78	71,700	.....	.....	.....	.....
Date of bid: Dec. 11, 1917. Character of stone: Limestone, granite.						
2. Oscar F. Barrett, Cincinnati, Ohio.....	5.38	80,700	.....	.....	.....	.....
Date of bid: Dec. 5, 1917. Character of stone: Limestone.						

¹ Accepted, and contract entered into Jan. 24, 1918.

Abstract of proposals received in response to advertisement by newspaper for a period of 30 days, for dredging in Bayou Teche, La., between New Iberia and Franklin, La., opened by T. E. L. Lipsey, assistant engineer in charge, room 325 Customhouse, New Orleans, La., on Feb. 1, 1918.

[Bayous Lafourche, Terrebonne, Grossetete, Plaquemine and Teche, La. (Bayou Teche, La.)]

Name and address of bidder.	Date of bid.	About 350,000 cubic yards.	
		Unit price.	Total.
1. A. G. Thomas, New Orleans, La.....	Feb. 1, 1918	¹ \$0.10	\$35,000.00
2. N. G. Huth Dredging Co., Franklin, La.....	.....do.....	.16	56,000.00
3. G. A. McWilliams, Chicago, Ill.....	.....do.....	.139	48,650.00

¹ Accepted and contract entered into Feb. 25, 1918.

GALVESTON (TEX.) DISTRICT.

[Mr. R. C. Smead, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing and delivering light riprap stone received in response to poster and circular letter advertisement (15 days' public notice), dated Apr. 25, 1918, and opened by R. C. Smead, assistant engineer in charge.

Name and address of bidder.	6,853 tons of 2,000 pounds each.	
	Unit price.	Total.
1. Mexia Quarry, Tehuacana, Tex.....	\$2.07	\$14,185.71
2. Darragh Bros., Marble Falls, Tex.....	2.10	14,391.30
3. Dittlinger Lime Co., New Braunfels, Tex.....	2.45	16,789.85
4. Texas Trap Rock Co., San Antonio, Tex.....	2.15	14,733.95

Awarded to No. 1.

Abstract of proposals for furnishing and delivering broken stone received in response to poster and circular letter advertisement (10 days' public notice), dated Apr. 25, 1918, and opened May 4, 1918, at Galveston, Tex., by R. C. Smead, assistant engineer in charge.

Name and address of bidder.	31,200 tons of 2,000 pounds each.	
	Unit price.	Total.
1. Dittlinger Lime Co., New Braunfels, Tex.....	\$2.07	\$64,584
2. Texas Trap Rock Co., San Antonio, Tex.....	2.42	75,504

Awarded to No. 1.

Abstract of proposals for furnishing and delivering sharp fresh-water sand received in response to poster and circular letter advertisement (10 days' public notice), dated Apr. 25, 1918, and opened May 4, 1918, at Galveston, Tex., by R. C. Smead, assistant engineer in charge.

Name and address of bidder.	18,200 tons of 2,000 pounds each.	
	Unit price.	Total.
1. W. L. Jones & Co., Galveston, Tex. ¹	\$1.44	\$26,208
2. Urbana Gravel Co., Houston, Tex. ²	1.12	20,384

¹ Sand to be furnished from San Jacinto River.² Sand to be furnished from the Urbana Gravel Co., Urbana, Tex.

Awarded to No. 2.

Abstract of proposals for furnishing and delivering heavy riprap stone received in response to poster and circular letter advertisement (15 days' public notice), dated Apr. 25, 1918, and opened May 9, 1918, at Galveston, Tex., by R. C. Smead, assistant engineer in charge.

Name and address of bidder.	30,800 tons of 2,000 pounds each.	
	Unit price.	Total.
1. Mexia Quarry, Tehuacana, Tex.....	\$2.07	\$63,756
2. Darragh Bros., Marble Falls, Tex.....	1.93	59,444
3. Dittlinger Lime Co., New Braunfels, Tex.....	2.45	75,460

Awarded to No. 2.

Abstract of proposals for repairs to jetties at Galveston Harbor and mouth of the Brazos River, Tex., received in response to advertisement dated Jan. 21, 1918, and opened Feb. 20, 1918, at Galveston, Tex., by R. C. Smead, assistant engineer in charge.

Quantities.	Names and address of bidders.			
	1. Chas. Clarke & Co., Galveston, Tex. ¹		2. David M. Picton & Co., Galveston, Tex. ²	
	Unit price.	Total.	Unit price.	Total.
FOR THE WORK AS A WHOLE.				
Galveston Harbor, Tex.:				
12,500 tons small riprap, from 15 to 200 pounds per piece, properly placed in core of the work.....			\$4. 65	\$58, 125. 00
11,000 tons large riprap, from 3 to 8 tons per piece, properly placed in the slopes of the work.....			5. 55	61, 050. 00
24,000 tons crest blocks, approximately 10 tons or more each, properly placed in the work.....			5. 92	142, 080. 00
4,500 pieces crest blocks and slope stone picked up and replaced.....			9. 50	42, 750. 00
1,000 tons large riprap, from 3 to 8 tons per piece, properly placed alongside the lighthouse station.....			5. 65	5, 650. 00
				309, 655. 00
Mouth of Brazos River, Tex.:				
3,000 tons small riprap, from 15 to 200 pounds per piece, properly placed in the core of the work.....			4. 75	14, 250. 00
4,200 tons large riprap, from 3 to 8 tons per piece, properly placed in the slopes of the work.....			5. 68	23, 856. 00
11,000 tons crest blocks, approximately 10 tons or more, each properly placed in the work.....			6. 05	66, 550. 00
1,800 pieces crest blocks and slope stone picked up and replaced.....			9. 80	17, 640. 00
				122, 296. 00
Total for the work as a whole.....				431, 951. 00
FOR THE WORK SEPARATELY.				
Galveston Harbor, Tex.:				
12,500 tons small riprap, from 15 to 200 pounds per piece, properly placed in the core of the work.....	\$4. 55	56, 875. 00	4. 65	58, 125. 00
11,000 tons large riprap, from 3 to 8 tons per piece, properly placed in the slopes of the work.....	5. 45	59, 950. 00	5. 55	61, 050. 00
24,000 tons crest blocks, approximately 10 tons or more each, properly placed in the work.....	5. 95	142, 800. 00	5. 92	142, 080. 00
4,500 pieces crest blocks and slope stone picked up and replaced.....	7. 75	34, 875. 00	9. 50	42, 750. 00
1,000 tons large riprap, from 3 to 8 tons per piece, properly placed alongside the lighthouse station.....	5. 45	5, 450. 00	5. 65	5, 650. 00
		299, 950. 00		309, 655. 00
Mouth of Brazos River, Tex.:				
3,000 tons small riprap, from 15 to 200 pounds per piece, properly placed in the core of the work.....			4. 75	14, 250. 00
4,200 tons large riprap, from 3 to 8 tons per piece, properly placed in the slopes of the work.....			5. 68	23, 856. 00
11,000 tons crest blocks, approximately 10 tons or more each, properly placed in the work.....			6. 05	66, 550. 00
1,800 pieces crest blocks and slope stone picked up and replaced.....			9. 80	17, 640. 00
				122, 296. 00
Total for the work separately.....				431, 951. 00

¹ Intends furnishing granite from Darragh Bros' quarry, Granite Mountain, Tex., and handling from cars to barges and from barges to jetty with derrick barges. Plant to be used: Two derrick barges and necessary barges and tugs.

² Intends to furnish granite from Granite Mountain quarry, Granite Mountain, Tex., and will use derrick barge, barges, and tugs for placing.

All bids rejected on account of price bid being considered excessive.

Abstract of proposals for furnishing and delivering rirap f. o. b. ccrs, Port Aransas or Rockport, Tex., received in response to advertisement dated Nov. 13, 1917, and opened Dec. 14, 1917, by N. T. Blackburn, assistant engineer.

Name and address of bidder.	14,000 tons rirap, more or less, to be delivered at the terminal yards of the Aransas Harbor Terminal Ry., Port Aransas, Tex.		14,000 tons, more or less, to be delivered at the terminal yards of the San Antonio and Aransas Pass Railway, Rockport, Tex.	
	Unit price.	Total.	Unit price.	Total.
1. D. M. Picton & Co., Galveston, Tex.....	\$2.57	\$35,980.00	\$2.57	\$35,980.00
2. Sam Fridner, Galveston, Tex.....	2.38	33,320.00	2.38	33,320.00
3. Dittlinger Lime Co., New Braunfels, Tex.....	2.48	34,720.00	2.48	34,720.00
4. Texas Gravel & Sand Co., Houston, Tex.....	2.89	40,460.00	2.89	40,460.00

No. 1: Stone to be furnished from Beekman quarry.
 Experience: Have executed several rock contracts at Aransas Pass for the United States Government.
 In letter attached to proposal advised that owing to the present state of war and the United States Government having control of all the railroad equipment and transportation facilities their proposal is conditioned on the following:
 That the railway companies will furnish the requisite equipment and transportation facilities to deliver the said rirap from the quarry to Port Aransas, Tex., or that the United States Government will compel the railroads to furnish such necessary equipment and transportation facilities.
 Advise with reference to furnishing scales and weighing stone, paragraph 23, that there are no public railroad scales located near the point of delivery and the time allowed for installing scales is insufficient.
 Their bid is based on weighing the stone at the nearest available railroad company scales and a reduction of 5 cents per ton will be allowed from the contract price herewith bid, to compensate for the saving in cost of installing scales.
 No revenue stamp attached to guaranty.
 No. 2: Stone to be furnished from Comal quarry.
 Experience: Supplied to Galveston County 25,000 tons. Supplied to United States Government, Fort Travis, 1,500 tons. Supplied to United States Government Quarantine, 100 tons.
 No. 3: Stone to be furnished from Dittlinger Lime Co.'s quarry.
 Experience: Have been in the quarry business about 10 years and furnished rock for Aransas Harbor in 1915 and 1916. There is no scale at Rockport, but can furnish certified railroad weights at New Braunfels, Tex.
 No revenue stamp attached to guaranty.
 No. 4: Stone to be furnished from Piedmont, Tex.
 Experience: We own and are now operating this quarry.
 Awarded to No. 2, for delivery at the terminal yards of the Aransas Harbor Terminal Railroad Co.

Abstract of proposals for furnishing rirap f. o. b. cars mouth of the Brazos River, Tex., received in response to advertisement (20 days' public notice) dated Aug. 1, 1917, and opened Aug. 20, 1917, by N. T. Blackburn, assistant engineer.

Name and address of bidder.	1,600 tons small rirap of 2,000 pounds in place.		850 tons large rirap of 2,000 pounds in place.		Grand total.
	Unit price.	Total.	Unit price.	Total.	
1. Sam Fridner, Galveston, Tex.....	\$2.46	\$3,936	\$2.65	\$2,252.50	\$6,188.50
2. D. M. Picton & Co., Galveston, Tex.....	2.40	3,840	3.30	2,805.00	6,645.00

No. 1: Stone to be furnished from Comal and Piedmont. Small stone from Comal, large stone from Piedmont.
 Experience: Furnished about 30,000 tons for sea wall and 1,200 tons for United States Government at Port Bolivar, Tex., and also for the quarantine station just completed about 100 tons granite. Propose to deliver the same quality as supplied to you for Port Bolivar forts.
 In letter attached to proposal bids to deliver and place the rock in accordance with instructions and requirements; the large rock for \$5.35 per ton of 2,000 pounds and the small rock for \$5.35 per ton of 2,000 pounds, and if granite is used will supply both sizes for \$1 per ton more with delivery not earlier than October 15 on granite, but on other rock can make prompt delivery.
 No. 2: Stone to be furnished from Piedmont, Kyles, and Granite Mountain quarries.
 Experience: Have executed many contracts for the United States Government.
 Awarded to No. 2, as granite, which was bid on for the large rirap, was much better adapted to the work proposed and could be easily obtained in the sizes desired. It had been used on previous contracts with excellent results. It had been found difficult to obtain other stone in the required sizes without serious delay to the work.

Abstract of proposals for furnishing material and constructing pile-and-brush dike at mouth of the Brazos River, Tex., received in response to advertisement (20 days' public notice) dated Aug. 1, 1917, and opened Aug. 20, 1917, by N. T. Blackburn, assistant engineer.

CONSTRUCTING DIKE.

Name and address of bidder.	To furnish material and construct 2,100 linear feet pile and brush dike. Unit price per linear foot.	Total.
1. Sam Fridner, Galveston, Tex.....	\$3.45	\$7,245.00
2. S. H. Hudgins, Velasco, Tex.....	34.50	72,450.00

FOR FURNISHING MATERIAL.

Name and address of bidder.	1,075 green piles 16 feet long, linear feet.		670 cords green brush.		2,230 linear feet lumber.		400 pounds galvanized spikes.	
	Unit price.	Total.	Unit price.	Total.	Unit price.	Total.	Unit price.	Total.
1. Sam Fridner, Galveston, Tex....	<i>Cents.</i> 10 ³ / ₄	\$1,849	<i>Cord.</i>		<i>M.</i>		<i>Cents.</i>	
2. S. H. Hudgins, Velasco, Tex....	25	4,300	\$3.25	\$2,177.50	\$35	\$52.05	7	\$28.00
3. The Vaughan Lumber Co., Houston, Tex.....	8 ¹ / ₂	1,462						

No. 1—Plant to be used: Pile driver rig with 2,000-pound drop hammer, barge, and tug boat. Gasoline jet pump and equipment of camps.

Experience: Foreman has had 30 years' experience; has driven piling and lately has completed work for the Emigration Station and Intercoastal Canal Beacons recently finished.

No. 2—Plant to be used: Two barges 80 feet long; one barge 65 feet long; one 75-horsepower gasoline tow boat; one 27-horsepower gasoline towboat; two power pile drivers.

Experience: Twenty years' experience.

No. 3: Certified check for \$2,500 furnished as guaranty. Informal proposal: Not on form and guaranty not furnished. Proposals for constructing dike rejected. Awarded No. 2 for green brush, lumber, and galvanized spikes; No. 3 for green piles.

Abstract of proposals for jetty work at Port Aransas, Tex., received in response to advertisement dated Dec. 26, 1916, and opened Jan. 24, 1917, at Galveston, Tex., by E. N. Johnston, major, Corps of Engineers.

Quantities.	Name and address of bidder.			
	No. 1. Charles Clarke & Co., Galveston, Tex.		No. 2. David M. Picton & Co., Galveston, Tex.	
	Unit price.	Total.	Unit price.	Total.
650 tons small riprap from 15 to 200 pounds per piece properly placed in the core of the work.....	\$5.00	\$3,250.00	\$4.95	\$3,217.00
2,700 tons large riprap from 5 to 10 tons per piece, properly placed in the slopes of the work.....	6.00	16,200.00	5.65	15,255.00
250 tons crest stone 9 to 11 tons, to average about 10 tons each, properly placed in the work.....	7.25	1,812.50	6.95	1,737.50
360 pieces crest blocks picked up and rebedded.....	7.50	2,700.00	8.50	3,060.00
700 tons small riprap from 15 to 200 pounds per piece properly placed in the core of the work.....	5.00	3,500.00	4.95	3,465.00
1,000 tons medium riprap from 200 pounds to 3 tons per piece properly placed in the core of the work.....	6.00	6,000.00	5.25	5,250.00
2,100 tons large riprap 5 to 10 tons per piece, properly placed in the slopes of the work.....	6.00	12,600.00	5.65	11,865.00
850 tons crest stone 9 to 11 tons, to average about 10 tons each, properly placed in the work.....	7.25	6,162.50	6.95	5,907.50
305 pieces crest blocks picked up and rebedded.....	7.50	2,287.50	8.50	2,592.50
Total.....		54,512.50		52,350.00

No. 1: Intends furnishing limestone from Dittlinger Lime Co. quarry. Methods and plants for placing not stated.

No. 2: Intends furnishing limestone from Beckman quarry, and will use necessary tugs, derricks, and barges for placing material.

All bids were rejected on account of price bid being considered excessive.

Abstract of proposals for furnishing and delivering riprap at Port Aransas, or Rockport, Tex., received in response to advertisement dated Sept. 2, 1917, and opened Oct. 2, 1917, at Galveston, Tex., by N. T. Blackburn, assistant engineer.

Name and address of bidder.	Riprap delivered at—			
	Terminal yard of the Aransas Harbor Terminal R. R., Port Aransas, Tex., 14,000 tons.		Terminal of the San Antonio & Aransas Pass R. R., Rockport, Tex., 14,000 tons.	
	Unit price.	Total.	Unit price.	Total.
1. D. M. Picton & Co., Galveston, Tex.....	\$2.70	\$37,800	\$2.70	\$37,800
2. Charles Clarke & Co., Galveston, Tex.....	2.72½	38,150	2.72½	38,150
3. Charles Clarke & Co., Galveston, Tex.....	2.61½	36,610	2.61½	36,610

No. 1: Riprap to be furnished from Beckman quarry.

Experience: Have executed many previous contracts for the Government at Port Aransas, Tex.

In letter attached to the proposal advise that owing to the car shortage they will only be able to deliver stone in such cars as can be supplied by the railway company, and not any special class of cars as indicated by the proposal.

No. 2: Riprap to be furnished from Dittlinger, Tex. (limestone).

Experience: More than 15 years in jetty building and part of the time in operating quarries.

In letter attached to the proposal advise that under present conditions of car shortage they will use every effort to furnish satisfactory cars for this service, but can not guarantee any specified class of cars.

No. 3: Riprap to be furnished from Knippa, Tex. (trap rock).

Experience: More than 15 years in jetty building and part of the time in operating quarries.

In letter attached to the proposal advise that under present conditions of car shortage they will use every effort to furnish satisfactory cars for this service, but can not guarantee any specified class of cars. All bids rejected and the work readvertised under modified specifications.

WRECKS.

Abstract of proposals for removing wrecks located in the Houston Ship Channel and Galveston Channel, Tex., received in response to advertisement dated Jan. 24, 1918, and opened Feb. 23, 1918, at Galveston, Tex., by N. T. Blackburn, assistant engineer.

Name and address of bidders.	Removal of wreck of—		Total.
	Steam tug Mary Lee.	Gasoline towboat Dick.	
For each wreck separately:			
1. W. A. Wansley, Galveston, Tex.....		\$450	\$450
2. Charles T. Suderman, Galveston, Tex.....	\$725	325	1,050
3. Chas. S. Basham, Houston, Tex.....	1,200	1,000	2,200
For the work as a whole:			
1. W. A. Wansley, Galveston, Tex.....		325	325
2. Charles T. Suderman, Galveston, Tex.....	725	325	1,050
3. Chas. T. Basham, Houston, Tex.....	1,200	1,000	2,200

No. 1. Plant proposes to employ derrick barge Tom and diver. Plant will have facilities for furnishing meals for inspectors employed on the work. Experience not stated. Certified check for \$112.50 furnished as guaranty.

No. 2. Plant proposes to employ diver and gear, floating derrick, tugs, and barges. Plant will have facilities for furnishing meals for inspectors employed on the work. Thirty-five years' experience.

No. 3. Plant proposes to employ derrick boat, barges, etc. Plant will have facilities for furnishing meals for inspectors employed on the work. Twenty years' experience. Certified check for \$550 furnished as guaranty.

Awarded No. 2, for removal of gasoline towboat Dick.

LITTLE ROCK (ARK.) DISTRICT.

[Mr. P. R. Van Frank, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing 11,000 tons, more or less, of riprap stone f. o. b. cars at point of shipment. Proposals issued May 29, 1918, and opened June 29, 1918, by P. R. Van Frank, assistant engineer in charge.

[Appropriation, Arkansas River, Ark., allotment for Pine Bluff, and special fund to be contributed by St. Louis Southwestern Railway Co.]

Name and address.	Points of delivery.	Tons.	Unit price.	Cost f. o. b. cars.	
				Lot.	Total.
1. Burke & Ward, Fort Smith, Ark.....	Mayflower, Ark.....	2,000	\$1.35	2,700	\$14,850
	Plummerville, Ark.....	1,500	1.35	2,025	
	Morrillton, Ark.....	1,000	1.35	1,350	
	Galla, Ark.....	1,000	1.35	1,350	
	London, Ark.....	1,500	1.35	2,025	
	Scotia, Ark.....	1,000	1.35	1,350	
	Sweet Home, Ark.....	1,000	1.35	1,350	
	Cabin Creek, Ark.....	2,000	1.35	2,700	

Only bid received. Recommended for acceptance.

Abstract of proposals for mattress and dike construction at Pine Bluff, Ark. Proposals issued May 20, 1918, and opened June 20, 1918, by P. R. Van Frank, assistant engineer in charge.

[Appropriation, Arkansas River, Ark., allotment for Pine Bluff, and special fund contributed by St. Louis Southwestern Railway Co.]

Name and address.	10,000 tons riprap stone unloaded from cars.		10,000 cubic yards riprap stone transferred from top of bank and placed in work.		3,600 cords brush and poles in place in the work.		Total.
	Per ton.	Total.	Per cubic yard.	Total.	Per cord.	Total.	
1. W. P. McGeorge, Pine Bluff, Ark.....	\$0.30	\$3,000	\$1.50	\$15,000	\$9.60	\$34,560	\$52,560
2. Miller-Butterworth Co., Little Rock, Ark.....	.40	4,000	1.90	19,000	8.10	29,160	52,160
3. James Trainor, ¹ Little Rock, Ark.....	.25	2,500	1.00	10,000	6.85	24,660	37,160

¹ Bid recommended for acceptance.

Abstract of proposals for furnishing 3,000 tons, more or less, of riprap stone, in pieces of from 30 to 100 pounds, at rate of 100 tons per day, cars on Missouri Pacific Railroad in Arkansas. Proposals issued Feb. 23, 1918, and opened Mar. 15, 1918, by P. R. Van Frank, assistant engineer in charge.

[Appropriation, Arkansas River, Ark., allotment for Pine Bluff, and special fund contributed by St. Louis Southwestern Railway Co.]

Name and address.	Point of delivery.	Tons.	Prices.	Lot.	Total.
1. James Trainor, Little Rock, Ark.....	Within 150-mile zone.....	3,000	\$1.70	.....	\$3,600
2. United States Stone Co., Little Rock, Ark.	Zena, Ark.....	3,000	1.15	.....	4,350
3. E. R. Beane, Russell, Ark.....	Bradford, Ark.....	1,500	.89	\$1,335	2,670
	Russell, Ark.....	800	.89	712	
	Bald Knob, Ark.....	700	.89	623	
	Judsonia, Ark.....	.....	.89	.....

Contract awarded to E. R. Beane.

ST. LOUIS (MO.), DISTRICT.

[Mr. Wm. S. Mitchell, District Engineer.]

RIVERS AND HARBORS.

Abstract of proposals for constructing and delivering at St. Louis, Mo., or St. Paul, Minn., as may be agreed upon, of 24 steel barges for use on the Mississippi River, received in response to advertisement and specifications dated Mar. 25, 1918, and opened Apr. 17, 1918, by Wm. S. Mitchell, assistant engineer in charge, United States Engineer office, 428 Customhouse, St. Louis, Mo., for the Committee on Inland Waterways, United States Shipping Board, Washington, D. C.

Number of proposal. - Names and addresses of bidders.	1. Memphis Steel Con- struction Co. of Pa., Pittsburgh, Pa.	2. The Dravo Contracting Co., Pittsburgh, Pa.	3. American Bridge Co., Pittsburgh, Pa.	4. Howard Shipyards Co. Jeffersonville, Ind., and the Foundation Co., New York, N. Y.	5. Dubuque Boat & Boiler Works, Dubuque, Iowa.	6. Marietta Manufac- turing Co., Point Pleasant, W. Va.
Minimum number of barges propose to furnish.	4.	4	4.	Proposal not on pre- scribed form. Pro- pose by letter to furnish 24 barges on the basis of the actual cost of the barges, plus a com- mission of 10 per cent of the cost of the same and sub- mit a detailed esti- mate of the cost of the barges, \$88,- 201.86, and cost of oil and bilge pipe system, \$4,993.29. Will complete the entire delivery of the 24 barges in 10 months' time, ac- cording to sched- ule attached.	1.	1.
Price for each, minimum num- ber.	4 at \$118,300 each . . . 5 at \$116,200 each . . . 6 at \$114,900 each . . . 8 at \$113,100 each . . . 10 at \$112,000 each . . .	\$64,000 each	\$123,000 each		\$65,000 each	\$64,959 each.
Deduction from price of each, minimum num- ber of barges, under pars. 28, 53, 80, 81, and 82 of specifications.	\$10,000 each	\$3,000 each	\$6,500 each		\$5,000 each	\$5,130 each.

	12.		8.			12.		3.		2.				
	Maximum number of barges propose to furnish. Price for each, m a x i m u m number.		\$111,400 each			\$64,000 each			\$120,500 each		\$64,500 each		\$64,959 each.	
	Deduction from price of each maximum number of barges under pars. 28, 53, 80, 81, and 82 of the specifications.		\$10,000 each			\$3,000 each			\$6,500 each		\$4,500 each		\$5,130 each.	
	Minimum number.	Maximum number.	Minimum number.	Maximum number.				Minimum number.	Maximum number.	Minimum number.	Maximum number.			
					Provided steel for each barge is delivered not later than as follows:									
Time proposed for delivery:														
First barge	100 days..	120 days..	210 days..	210 days..	120 days..	.....	.....	165 days..	First barge: 165 days after all material furnished by the Government has been delivered. Second barge: 120 days after first barge. Third barge: 110 days after second barge.	300 days..	300 days..	
Second barge	130 days..	.....	300 days..	300 days..	150 days..	.....	.....	.....		360 days..	.....		
Third barge	160 days..	175 days..	360 days..	360 days..	180 days..	.....	.....	.....		.....	.....
Fourth barge	190 days..	.....	420 days..	420 days..	210 days..	.....	.....	.....		.....	.....
Fifth barge .....	.....	.....	.....	480 days..	270 days..	.....	.....	.....		.....	.....
Sixth barge .....	.....	225 days..	.....	540 days..	330 days..	.....	.....	.....		.....	.....
Seventh barge .....	.....	.....	.....	600 days..	390 days..	.....	.....	.....		.....	.....
Eighth barge .....	.....	275 days..	.....	660 days..	450 days..	.....	.....	.....		.....	.....
Ninth barge .....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....
Tenth barge .....	.....	325 days..	.....	.....	.....	.....	.....	.....		.....	.....
Eleventh barge .....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....
Twelfth barge .....	.....	365 days..	.....	.....	.....	.....	.....	.....		.....	.....
Place proposed to construct and launch.	At or near Pittsburgh, Pa.		Neville Island on Ohio River near Pittsburgh, Pa.			Ambridge, Pa.....	Jeffersonville, Ind...	Dubuque, Iowa..... Deduction of \$1,000 per barge will be made if they are accepted at Dubuque.		Point Pleasant, W. Va.				

Awards: No. 2, 6 barges at \$61,000 each; No. 5, 6 barges at \$60,000 each; No. 6, 6 barges at \$59,829 each.

COAL.

Abstract of proposals for furnishing 20,000 tons of coal for Mississippi River from mouth of Ohio River to Minneapolis, Minn. (between mouths of Ohio and Missouri Rivers) and removing obstructions in Mississippi, Atchafalaya, and Old Rivers, received in response to advertisement, and opened Sept. 12, 1917, by Brig. Gen. W. H. Birby, U. S. Army, St. Louis, Mo.

Number of proposal..... Name and address of bidder..... Trade name of coal..... Name of mine..... Location of mine..... Railroad on which mine is located.... Name of coal bed or beds.....	1.			2.				3.																			
	Tons.	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.												
West Kentucky Coal Co., Sturgis, Ky. Tradewater..... Nos. 1, 2, 8, and 9..... Near Sturgis, Union County, Ky. Illinois Central R. R..... No. 9.....				Southern Coal, Coke & Mining Co., St. Louis, Mo. New Baden..... No. 9..... New Baden, Clinton County, Ill. Southern Ry..... Seam No. 6.....				Shiloh Valley..... No. 8..... Shiloh, St. Claire County, Ill. Southern Ry..... Seam No. 6.....				The Consolidated Coal Co. of St. Louis, St. Louis, Mo. Staunton..... Nos. 7 and 14..... Staunton, Ma- coupin County, Ill. Wabash R. R..... Illinois vein No. 6.				Mount Olive..... No. 15..... Staunton, Ma- coupin County, Ill. Wabash R. R..... Illinois vein No. 6.				Breese..... West..... Breese, Clinton County, Ill. Baltimore & Ohio. Illinois vein No. 6.				Beacon. No. 17. Collinsville, Madi- son County, Ill. Vandalia R. R. Illinois vein No. 6.			
At St. Louis, Mo.: Car delivery..... Steamboat delivery, aboard..... Steamboat delivery, alongside..... Barge delivery, first method.....	1,000 3,000 3,000 9,000			\$2.625 2.98 2.70 2.50	\$2,625 8,940 8,100 22,500	\$2.625 2.98 2.70 2.50	\$2,625 8,940 8,100 22,500	\$2.67½	\$2,675	\$2.67½	\$2,675	\$2.67½	\$2,675	\$2.67½	\$2,675												
Name and location of landing..... At Cairo, Ill.: Barge delivery, second method..... At Memphis, Tenn.: Steamboat del- ivery, alongside.....	2,000 1,500	\$3.50 4.50	\$7,000 6,750	Pittsburg Dike, East St. Louis, Ill.	Pittsburg Dike, East St. Louis, Ill.																						

Award: No. 2.

ROCK ISLAND (ILL.), DISTRICT.

[Officer: Maj. Gen. A. Mackenzie, U. S. Army, Retired.]

RIVERS AND HARBORS.

[Appropriation: Mississippi River from mouth of the Missouri River to Minneapolis, Minn.]

Abstract of proposals received in response to advertisement for 30 days and opened by Maj. Gen. A. Mackenzie, U. S. Army, retired, at Rock Island, Ill., at 3 p. m., May 1, 1918, for construction and repair of dams and shore protections on the upper Mississippi River.

Section, net allotment, and ratio of rock to brush in place.	Number of bid.	Name and address of bidder.	Prices per cubic yard of material in place.			Price per 1,000 feet b. m. plank mattress in place.	Total cubic yards of material that can be placed under each bid.
			Rock.	Brush.	Average.		
(1) Fulton to Cordova, Ill.; \$47,500; R. 1. 0. B.	2	Kirchner Contracting Co., Dubuque, Iowa.	\$3.19	\$1.29	\$1.9233	\$95.00	24,697.1
	3	Builders Sand & Gravel Co., Davenport, Iowa.	3.25	1.36	1.99	97.50	23,869.3
(2) Quincy, Ill., to Hannibal, Mo.; \$47,500; R. 1. 0. B. 2. 0.	1	A. V. Fetter Co., Quincy, Ill.	3.35	1.45	1.993	102.50	23,833.4
	2	Builders Sand & Gravel Co., Davenport, Iowa.	3.43	1.50	2.0514	107.00	23,154.9
(3) Hamburg to Grafton, Ill.; \$47,500; R. 1. 0. B. 2. 5.	1	A. V. Fetter Co., Quincy, Ill.	3.63	1.74	2.28	128.00	20,833.3
	3	Builders Sand & Gravel Co., Davenport, Iowa.	3.59	1.70	2.24	125.00	21,205.3

All the bids were rejected on account of excessively high prices.

KANSAS CITY (MO.) DISTRICT.

[Col. Willard Young, District Engineer.]

RIVERS AND HARBORS.

Abstract of proposal for revetment (Missouri River at Searceys Bend), dated Sept. 20, opened Oct. 10, 1917, by Col. Willard Young, U. S. Agent.

Articles.	No. 1. ¹ Kansas City Bridge Co., Kansas City, Mo.		No. 2. Estate of Marshall Rust, Pilot Grove, Mo.	
	Per square.		Per square.	
	Prices.	Amount.	Prices.	Amount.
Construction of 12,000 feet of revetment, per specifications:				
10,320 square mattress.....	\$8.90	91,848.00	\$9.10	\$93,912.00
5,760 squares paving.....	14.25	82,080.00	14.55	83,808.00
Total.....		173,928.00		177,720.00

¹ Awarded.

Abstract of proposal for piling, Gasconade, Mo., dated Oct. 8, 1917, opened Oct. 18, 1917, by Brig. Gen. Wm. H. Bixby, United States Army, retired.

Articles.	No. 1. Western States Lumber Co., Kansas City, Mo.				No. 2. Geo. M. Griffen Lumber Co., St. Louis, Mo.		No. 3. Hogg-Harris, St. Louis, Mo.	
	Cypress.		Pine.		Cypress.		Pine.	
	Price per foot.	Amount.	Price per foot.	Amount.	Price per foot.	Amount.	Price per foot.	Amount.
100 piles, 42 feet long, 4,200 feet ...	\$0.09	\$378.00	\$0.10½	\$441.00	\$0.09½	\$399.00	\$0.09½	\$399.00
100 piles, 44 feet long, 4,400 feet ...	.09	396.00	.10½	462.00	.09½	418.00	.09½	418.00
100 piles, 46 feet long, 4,600 feet ...	.09	414.00	.10½	483.00	.10	460.00	.09½	437.00
100 piles, 48 feet long, 4,800 feet ...	.09	432.00	.10½	504.00	.10	480.00	.09½	456.00
100 piles, 50 feet long, 5,000 feet ...	.09	450.00	.10½	525.00	.10½	525.00	.09½	475.00
100 piles, 52 feet long, 5,200 feet ...	.09	468.00	.10½	546.00	.10½	546.00	.09½	494.00
100 piles, 54 feet long, 5,400 feet ...	.09	486.00	.10½	567.00	.11	594.00	.09½	513.00
50 piles, 56 feet long, 2,800 feet ...	.09	252.00	.10½	294.00	.11	308.00	.09½	266.00
50 piles, 58 feet long, 2,900 feet ...	.09	261.00	.10½	304.50	.11½	333.50	.09½	275.50
.....		3,537.00	.....	4,126.50	.....	4,063.50	.....	3,733.50
F. o. b.	Bay St. Louis, Miss. 14 days.		Houlton Junction, La. 14 days.		Frisco and SSW points in Missouri, 60 days.		Turps, La., Reasonable time.	

Articles.	No. 4. J. T. Hawkins, Riverton, La.		No. 5. P. E. Hammons Co. (Inc.), Beaumont, Tex.		No. 6. A. L. Houghton & Co., Kansas City, Mo.	
	Pine or cypress.		Pine.		Pine.	
	Price per foot.	Amount.	Price per foot.	Amount.	Price per foot.	Amount.
100 piles, 42 feet long, 4,200 feet	\$0.15	\$630.00	\$0.08	1 \$336.00	\$0.10	\$420.00
100 piles, 44 feet long, 4,400 feet .....	.16	704.00	.08	1 352.00	.10	440.00
100 piles, 46 feet long, 4,600 feet .....	.16	736.00	.08	1 368.00	.10	460.00
100 piles, 48 feet long, 4,800 feet .....	.16	768.00	.08	1 384.00	.10	480.00
100 piles, 50 feet long, 5,000 feet .....	.17	850.00	.09	1 450.00	.10	500.00
100 piles, 52 feet long, 5,200 feet .....	.17	884.00	.09	1 468.00	.10	520.00
100 piles, 54 feet long, 5,400 feet .....	.18	972.00	.09	1 486.00	.10	540.00
50 piles, 56 feet long, 2,800 feet .....	.18	504.00	.09	1 252.00	.10	280.00
50 piles, 58 feet long, 2,900 feet .....	.18	522.00	.09	1 261.00	.10	290.00
.....		6,570.00	.....	13,357.00	.....	3,930.00
F. o. b.	Missouri Pacific Ry. between Monroe and Alexandria, La. 1 year.		Pitkin, Dido, Hull, Kearney, Sompayrac, and Fulton, La. 40 days.		Houlton Junction, La. As fast as cars are furnished.	

¹ Awarded.

Abstract of proposal for adding machine, Jefferson City, Mo., dated Oct. 18, 1917, opened Oct. 29, 1917, by Lieut. Col. J. F. McIndoe, Corps of Engineers.

Articles.	No. 1. Dalton Adding Machine Co., Kansas City, Mo.	No. 2. Dalton Adding Machine Co., Cincinnati, Ohio.	No. 3. American Can Co., Chicago, Ill.	No. 4. Dalton Adding Machine Co., Norwood, Ohio.	No. 5. Burroughs Adding Machine Co., St. Louis, Mo.
1 Dalton adding machine:					
Hand operated	\$171.00 1 213.75	\$213.75	\$106.50	\$171.00 213.75	\$150.00
Electrically operated	256.50 299.25					299.25	(1)	256.00 299.25	235.00

¹ Awarded.

² No bid.

F. o. b.: Nos. 1, 2, 3, 4, and 5, Jefferson City, Mo.
Time of delivery: No. 1, 10 days; No. 2, immediate; No. 3, 15 days.

Abstract of proposal for machines, Gasconade, Mo., dated Nov. 20, 1917, opened Dec. 3, 1917, by Col. Willard Young, United States Agent.

Articles.	No. 1. J. A. Fay & Eagon Co., Cincinnati, Ohio.	No. 2. Hall & Brown Wood Working Machine Co., St. Louis, Mo.	No. 3 P. B. Yates Machine Co., Beloit, Wis.	No. 4. Oliver Machinery Co., St. Louis, Mo.	No. 5. L. Power & Co., Philadelphia, Pa.
1 only adjustable bevel hand-saw machine.	\$2,932.50	\$950.00	\$2,500.00	\$1,050.00	¹ \$950.00
1 only right-hand sawmill	2,154.80	(2)	(2)	¹ 671.30	(2)
1 only 60-inch saw, inserted tooth.	129.60	(2)	(2)	¹ 185.00	(2)
1 only 36-inch saw, circular	525.00	(2)	(2)	¹ 32.00	(2)
	5,741.90	950.00	2,500.00	1,938.30	950.00

¹ Awarded.

² No bid.

F. o. b.: No. 1, Cincinnati, Ohio; No. 2, Philadelphia, Pa.; No. 3, Beloit, Wis.; No. 4, Gasconade, Mo. No. 5, Philadelphia, Pa.

Time of delivery: No. 1, 30 days within receipt of notice of award; No. 2, 21 days; No. 3, 45 days; No. 4, 30 days; No. 5, 21 days.

Abstract of proposal for oakum, Gasconade, Mo., dated Dec. 3, 1917, opened Dec. 13, 1917, by Col. Willard Young, United States Agent.

Articles.	No. 1. George B. Granger Co. (Inc.), New York, N. Y.	No. 2. Mc-Master Carr Supply Co., Chicago, Ill.	No. 3. Geo. B. Carpenter & Co., Chicago, Ill.	No. 4. ¹ The Upson-Walton Co., Cleveland, Ohio.	No. 5. Broderick & Bascom Rope Co., St. Louis, Mo.	No. 6. A. Leschen & Sons Rope Co., St. Louis, Mo.					
30 bales oakum, 50-pound bales	¹ \$0.16 ³ \$247.50	² \$9.00	² \$270.00	² \$9.75	² \$292.50	² \$8.00	³ \$240.00	² \$8.50	² \$255.00	² \$10.00	² \$300.00

¹ Price per pound

² Price per bale.

³ Awarded.

F. o. b.: No. 1, Jersey City, N. J.; No. 2, New York, N. Y.; No. 3, Chicago, Ill.; No. 4, Cleveland, Ohio; Nos. 5 and 6, St. Louis, Mo.

Time of delivery: No. 1, prompt; No. 2, 2 days; No. 3, in stock; Nos. 4 and 5, 1 day; No. 6, 2 days.

Abstract of proposal for stone, Fort Pierre and Canning, S. Dak., dated Dec. 4, 1917, and opened Dec. 14, 1917, by Col. Willard Young, United States Agent.

Articles.	No. 1. Geo. F. Coler, Degrey, S. Dak.	No. 2. Amba Welch, Canning, S. Dak.	No. 3. S. D. Blair, Pierre, S. Dak.			
2,150 cu. bic yards stone, rip-rap	¹ \$3.50	\$7,525.00	¹ \$2.50	\$5,375.00	¹ \$3.32	² \$7,138.00

¹ Price per cubic yard.

² Awarded.

F. o. b.: Nos. 1 and 2, Canning, S. Dak.; No. 3, River Bank, Fort Pierre, S. Dak.
Time of delivery: No. 1, 1,000 yards in 30 days, balance as required; No. 2, 700 yards niggerhead stone, 110 days; No. 3, 100 days.

Abstract of proposal for brush and stone, Randolph, Mo., dated Dec. 18, 1917, opened Dec. 23, 1917, by Col. Willard Young, United States Agent.

Articles.	No. 1. ¹ Foley & Clark, Mo.		No. 2. S. H. Atwood & Son, Liberty, Mo.	
	Price.	Amount.	Price.	Amount.
500 cords rough brush.....	\$2.40	\$1,200.00	.....	(²)
500 cords brush, per specifications.....	2.60	1,300.00	.....	(²)
1,500 cubic yards stone and spalls.....	2.20	3,300.00	\$1.45	\$2,175.00
.....		5,800.00	.....	2,175.00

¹ Awarded.

² No bid.

F. o. b.: No. 1, river bank at point of work; No. 2, Randolph, Mo.
Time of delivery: No. 1, 60 days; No. 2, 30 days.

Abstract of proposal for long leaf yellow pine piling, Marion, Mo., dated Dec. 15, 1917, opened Jan. 3, 1918, by Col. Willard Young, United States Agent.

Articles.	No. 1. Western States Lumber Co., Kansas City, Mo.		No. 2. A. L. Houghton & Co., Kansas City, Mo.		No. 3. Missouri Lumber & Land Exchange Co., Kansas City, Mo.	
	370 piles, long-leaf yellow-pine 32-foot length, 11,849 feet.....	¹ \$0.10	² \$1,184.00	¹ \$0.11	\$1,302.40	¹ \$0.11 ²	$1,361.60
320 piles, long-leaf yellow-pine 34-foot length, 10,880 feet.....	1.10	1,088.00	1.11	1,196.80	1.11 ²	1,251.20
684 piles, long-leaf yellow-pine 36-foot length, 24,624 feet.....	1.10	2,462.40	1.11	2,708.64	1.11 ²	2,831.76
200 piles, long-leaf yellow-pine 38-foot length, 7,600 feet.....	1.10	760.00	1.11	836.00	1.11 ²	874.00
640 piles, long-leaf yellow-pine 40-foot length, 25,600 feet.....	1.10	2,560.00	1.11	2,816.00	1.12 ²	3,200.00
560 piles, long-leaf yellow-pine 44-foot length, 24,640 feet.....	1.10	2,464.00	1.11	2,710.40	1.13	3,203.20
660 piles longleaf yellow-pine 50-foot length, 33,000 feet.....	1.10	3,300.00	1.11	3,630.00	1.15 ²	5,115.00
.....		13,818.40	.....	15,200.24	.....	17,836.76

Articles.	No. 4. Adey-Johnston Co. (Inc.), New Orleans, La.		No. 5. Wiles O'Neil-Lumber Co., St. Louis, Mo.		No. 6. P. E. Hammons Co. (Inc.), Beaumont, Tex.	
	370 piles, long-leaf yellow-pine 32-foot length 11,840 feet.....	¹ \$0.15 ²	\$1,864.80	¹ \$0.15 ²	\$1,835.25	¹ \$0.09	^{2} $1,065.60
320 piles, long-leaf yellow-pine 34-foot length, 10,880 feet.....	1.15 ²	1,713.60	1.15 ²	1,686.40	1.09	1,979.20
684 piles, long-leaf yellow-pine 36-foot length, 24,624 feet.....	1.15 ²	3,878.28	1.15 ²	3,816.72	1.09	2,216.16
200 piles, long-leaf yellow-pine 38-foot length, 7,600 feet.....	1.15 ²	1,197.00	1.15 ²	1,178.00	1.09	2,684.00
640 piles, long-leaf yellow-pine 40-foot length, 25,600 feet.....	1.15 ²	4,032.00	1.15 ²	3,968.00	1.09	2,304.00
560 piles, long-leaf yellow-pine 44-foot length, 24,640 feet.....	1.15 ²	3,880.80	1.17 ²	4,312.00	1.10	2,464.00
660 piles, long-leaf yellow-pine 50-foot length, 33,000 feet.....	1.15 ²	5,197.50	1.17 ²	5,775.00	1.10	2,300.00
.....		21,763.98	.....	22,571.37	.....	13,012.96

¹ Price per foot.

² Awarded.

F. o. b.: No. 1, Bay St. Louis, Miss.; No. 2, Peters, La.; No. 4, Hammons and Slidell, La.; No. 5, Bragg City, Mo.
Time of delivery: No. 1, promptly; No. 3, can not guarantee time of shipment account of labor situation in South; No. 4, 55 to 85 days; No. 5, as soon as possible; No. 6, 90 days.

Abstract of proposal for powder and dynamite, Gasconade, Mo., dated Jan. 15, 1918, opened Jan. 25, 1918, by Col. Willard Young, United States Agent.

Articles.	No. 1. ¹ Illinois Powder Mfg. Co., St. Louis, Mo.		No. 2. E. I. du Pont de Nemours & Co., St. Louis, Mo.		No. 3. Hercules Powder Co., St. Louis, Mo.	
	Price per keg.	Amount.	Price per keg.	Amount.	Price per keg.	Amount.
610 kegs blasting powder, FFF.....	{ \$1.82	{ \$1,110.20	} \$0.07½	\$1,265.75	\$2.10	\$1,281.00
610 kegs blasting powder, FF.....	{ 1.96	{ 1,195.60				
3,500 pounds 60 per cent ammonia dynamite.....	{ 23.465	{ 821.27	} 27.75	971.25	26.00	910.00
	{ 24.74	{ 865.90				
		1,931.47				
		2,061.50		2,237.00		2,191.00
		130.02		44.74		
		1,931.48		2,192.26		
F. o. b.....	St. Louis, Mo., Gasconade, Mo.		Gasconade, Mo....		Gasconade, Mo., Turck, Kans.	
Time of delivery.....	6 days.....		5 days.....		2 days.	

Articles.	No. 4. General Explosives Co., St. Louis, Mo.		No. 5. Excelsior Powder Mfg. Co., Kansas City, Mo.		No. 6. Atlas Powder Co., Kansas City, Mo.	
	Price per keg.	Amount.	Price per keg.	Amount.	Price per keg.	Amount.
610 kegs blasting powder, FFF.....	\$1.877	\$1,144.97	\$1.86	\$1,134.60	\$2.07½	\$1,265.75
610 kegs blasting powder, FF.....	(²)	(²)	(²)	(²)	(²)	(²)
3,500 pounds 60 per cent ammonia dynamite.....	25.73	900.55	25.78	902.30	26	910.00
		2,045.52		2,036.90		2,175.75
						43.52
						2,132.23
F. o. b.....	Kansas City, Mo., Joplin, Mo.		Kansas City, Mo...		Gasconade, Mo., Belleville, Ill.	
Time of delivery.....	3 days.....		1 day.....		5 days.	

¹ Awarded.

² No bid.

Abstract of proposal for rope, Gasconade, Mo., dated Jan. 5, 1918, opened Jan. 28, 1918, by Col. Willard Young, United States Agent.

Articles (1,000-foot coils).	No. 1. The Hooven & Allison Co., Kansas City, Mo.		No. 2. Fischer & Hayes Rope Co., Chicago, Ill.		No. 3. St. Louis Cordage Mills, St. Louis, Mo.	
	Price per pound.	Amount.	Price per pound.	Amount.	Price per pound.	Amount.
2 coils rope, pure manila, bolt, 2-inch, 2,000 feet, 2,160 pounds.....	\$0.35½	\$766.80	(1)	(1)	\$0.364	² \$786.24
2 coils rope, standard manila, 2-inch, 2,000 feet, 2,160 pounds.....	.30½	658.80	\$0.38	\$820.80	.31½	680.40
15 coils rope, pure manila, bolt, 1½-inch, 15,000 feet, 9,000 pounds.....	.35½	3,195.00	(1)	(1)	.364	² 3,276.00
15 coils rope, standard manila, 1½-inch, 15,000 feet, 9,000 pounds.....	.30½	2,745.00	.38	3,420.00	.31½	2,835.00
25 coils rope, pure manila, bolt, 1¼-inch, 25,000 feet, 10,500 pounds.....	.35½	3,727.50	(1)	(1)	.364	² 3,822.00
25 coils rope, standard manila, 1¼-inch, 25,000 feet, 10,500 pounds.....	.30½	3,202.50	.38	3,990.00	.31½	3,307.50
6 coils rope, pure manila, bolt, 1-inch, 6,000 feet, 1,620 pounds.....	.35½	575.10	(1)	(1)	.364	² 589.68
6 coils rope, standard manila, 1-inch, 6,000 feet, 1,620 pounds.....	.30½	494.10	.38	615.60	.31½	510.30
6 coils rope, sisal, ¾-inch, 6,000 feet, 990 pounds.....	.22	² 217.80	.22½	222.75	.21¾	215.33
Bolts.....		8,482.20	(1)	(1)		8,689.25
Standard.....		7,318.20		9,069.15		7,548.53

F. o. b.....	Gasconade, Mo.....	Auburn, N. Y.....	St. Louis, Mo.....
Time of delivery.....	30 days.....	30 days.....	5 to 6 days.....

Articles (1,000-foot coils).	No. 4. Columbian Rope Co., Chicago, Ill.		No. 5. Schermerhorn Bros. Co., Kansas City, Mo.		No. 6. A. Leschen & Sons Rope Co., St. Louis, Mo.	
	Price per pound.	Amount.	Price per pound.	Amount.	Price per pound.	Amount.
2 coils rope, pure manila, bolt, 2-inch, 2,000 feet, 2,160 pounds.....	\$0.36½	\$788.40	\$0.39½	\$853.20	\$0.37¼	² \$804.60
2 coils rope, standard manila, 2-inch, 2,000 feet, 2,160 pounds.....	.31½	680.40	.31½	680.40	.32¼	696.60
15 coils rope, pure manila, bolt, 1½-inch, 15,000 feet, 9,000 pounds.....	.36½	3,285.00	.39½	3,555.00	.37¼	² 3,352.50
15 coils rope, standard manila, 1½-inch, 15,000 feet, 9,000 pounds.....	.31½	2,835.00	.31½	2,835.00	.32¼	2,902.50
25 coils rope, pure manila, bolt, 1¼-inch, 25,000 feet, 10,500 pounds.....	.36½	3,832.50	.39½	4,147.50	.37¼	² 3,911.25
25 coils rope, standard manila, 1¼-inch, 25,000 feet, 10,500 pounds.....	.31½	3,307.50	.31½	3,307.50	.32¼	3,386.25
6 coils rope, pure manila, bolt, 1-inch, 6,000 feet, 1,620 pounds.....	.36½	591.30	.39½	639.90	.37¼	² 603.45
6 coils rope, standard manila, 1-inch, 6,000 feet, 1,620 pounds.....	.31½	510.30	.31½	510.30	.32¼	522.45
6 coils rope, sisal, ¾-inch, 6,000 feet, 990 pounds.....	² 21½	212.85	.21½	212.85	.22¼	220.28
Bolts.....		8,710.05		9,408.45		8,892.08
Standard.....		7,546.05		7,546.05		7,728.08

F. o. b.....	Auburn, N. Y.....	Xenia, Ohio.....	North Plymouth, Mass.....
Time of delivery.....	Standard in stock; bolt, 15 to 20 days.....	14 days.....	Standard, 3 days; bolt, 4 to 6 days.....

¹ No award.

² Awarded.

Abstract of proposal for standard revetment (Napoleon cut-off bend, Missouri River), opened Jan. 31, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Stanton & Jones, Leavenworth, Kans.		No. 2. Kansas City Bridge Co., Kansas City, Mo.		No. 3. McGuire & Stanton, Leavenworth, Kans.	
	Price per square.	Amount.	Price per square.	Amount.	Price per square.	Amount.
10,000 feet standard revetment per specifications:						
8,600 squares matress.....	\$9.11	\$78,346.00	\$7.30	\$62,780.00	\$9.10	\$78,260.00
4,800 squares paving.....	16.16	77,568.00	10.80	51,840.00	20.50	98,400.00
Total.....		155,914.00		114,620.00		176,660.00

¹ Awarded.

Abstract of proposal for boiler tubes, Gasconade, Mo., dated Jan. 21, 1918, opened Jan. 31, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Joseph T. Ryerson & Son, Kansas City, Mo.		No. 2. Beck & Corbitt Iron Co., St. Louis, Mo.		No. 3. Crane Co., Kansas City, Mo.	
	Price per foot.	Amount.	Price per foot.	Amount.	Price (each).	Amount.
90 only boiler tubes, 2 inches by 5 feet—90 by 5 feet=450 feet.....	\$0.26 ¹	\$119.25	\$0.26 ¹	\$120.38	\$1.70 ¹	\$153.35
F. o. b.....	St. Louis, Mo.....		St. Louis, Mo.....		Gasconade, Mo.	
Time of delivery.....	1 day.....		1 day.....		1 day.	

¹ Awarded.

Abstract of proposal for strand, Gasconade, Mo., dated Jan. 18, 1918, opened Feb. 1, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Macomber & Whyte Rope Co., Kenosha, Wis.		No. 2. A. Leschen & Sons Rope Co., St. Louis, Mo.		No. 3. American Steel & Wire Co., Kansas City, Mo.		No. 4. Broderick & Bascome Rope Co., St. Louis, Mo.	
	Price per 100 feet.	Amount.	Price per 100 feet.	Amount.	Price per 100 feet.	Amount.	Price per 100 feet.	Amount.
450,000 linear feet strand.....	\$1.691	\$7,609.50	\$1.72	\$7,740.00	\$1.87	\$8,415.00	\$2.00	\$9,000.00
F. o. b.....	Kenosha, Wis...		St. Louis, Mo....		Waukeegan, Ill..		St. Louis, Mo.	
Time of delivery.....	75 days.....		30 days.....		4 weeks.....		90 days.	

Articles.	No. 5. Indiana Steel & Wire Co., Muncie, Ind.		No. 6. Wright Wire Co., Worcester, Mass.		No. 7. Geo B. Carpenter & Co., Chicago, Ill.	
	Price per M feet.	Amount.	Price per 100 feet.	Amount.	Price per 100 feet.	Amount.
450,000 linear feet strand.....	\$16.26	\$7,317.00	\$1.80	\$8,100.00	\$1.89	\$8,505.00
F. o. b.....	Muncie, Ind.....		Palmer, Mass.....		Chicago, Ill.	
Time of delivery.....	7 to 10 days.....		75 days.....		10 days.	

¹ Awarded.

Abstract of proposal for clips, Gasconade, Mo., dated Jan. 26, 1918, opened Feb. 7, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Schoellhorn-Albrecht Machine Co., St. Louis, Mo.		No. 2. K. C. Bolt & Nut Mfg. Co., Kansas City, Mo.		No. 3. St. Louis Screw Co., St. Louis, Mo.		No. 4. Joseph T. Ryerson & Son, Chicago, Ill.	
	Price (each).	Amount.	Price per head.	Amount.	Price per head.	Amount.	Price per M.	Amount.
3,000, only 2 part clips.....	\$0.10	\$300.00	(1)	(1)	\$3.95	\$118.50	\$59.50	\$178.50
15,000 only 4 part clips.....	.12	1,800.00	6.75	1,012.50	5.90	885.00	90.00	1,350.00
		2,100.00		1,012.50		1,003.50		1,528.50
F. o. b.....	St. Louis, Mo.....		Kansas City, Mo.....		St. Louis, Mo.....		Chicago, Ill.	
Time of delivery.....	30 days.....		45 days.....		30 days.....		30 days.	

Articles.	No. 5. Campbell Iron Co., St. Louis, Mo.		No. 6. Moran Bolt & Nut Mfg. Co., St. Louis, Mo.		No. 7. The Pierce Co., Kansas City, Mo.	
	Price per head.	Amount.	Price per head.	Amount.	Price per M.	Amount.
3,000 only 2 part clips.....	\$5.00	\$150.00	\$3.25	² \$97.50	\$40	\$120.00
15,000 only 4 parts clip.....	7.50	1,125.00	5.25	² 787.50	52	780.00
		1,275.00		² 885.00		900.00
F. o. b.....	St. Louis, Mo.....		St. Louis, Mo.....		Shipping point.	
Time of delivery.....	50 days.....		15 days.....		Reasonable time.	

¹ No bid.

² Awarded.

Abstract of proposal for doctor pump, Gasconade, Mo., dated Jan. 22, 1918, opened Feb. 1, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. The Chas. Barnes Co., Cincinnati, Ohio.	No. 2. Chas. Hegewald Co., New Albany, Ind.	No. 3. Gillett, Eaton & Squire Co., Lake City, Minn.	No. 4. Schoellhorn-Albrecht Machine Co., St. Louis, Mo.
1 only cold water steamboat "Doctor" pump, working pressure of 250 pounds, plungers $3\frac{1}{2}$ inches diameter by $8\frac{1}{2}$ inches stroke.....	\$775	¹ \$490	\$600	\$800 \$600
F. o. b.....	Kansas City, Mo.	New Albany, Ind.	Lake City, Minn.	St. Louis, Mo.
Time of delivery.....	42 days.....	1 day.....	60 days.....	30 days.

Awarded.

Abstract of proposals for wire rope, Gasconade, Mo., dated Jan. 29, 1918, opened Feb. 9, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Geo. B. Carpenter & Co., Chicago, Ill.		No. 2. Broderick & Bascom Rope Co., St. Louis, Mo.		No. 3. Fischer & Hayes Rope Co., Chicago, Ill.		No. 4. The Upson-Walton Co., Cleveland, Ohio.	
	Price per foot.	Amount.	Price per foot.	Amount.	Price per foot.	Amount.	Price per 100 feet.	Amount.
3 pieces rope, wire steel, $\frac{3}{8}$ by 6 inches by 19, 5,400 feet long.	\$0.14	\$756.00	\$0.1114	\$601.56	\$0.104	\$561.60	(¹)	(¹)
2 pieces rope, wire steel, $\frac{1}{2}$ by 6 inches by 19, 3,000 feet long.	.10	300.00	.0844	253.20	.0816	244.80	\$8.17	\$245.10
6 pieces rope, wire steel, $\frac{3}{8}$ by 6 inches by 19, 1,200 feet long.	.14	168.00	.1114	133.68	.104	124.80	(¹)	(¹)
6 pieces rope, wire steel, $\frac{1}{2}$ by 6 inches by 19, 1,500 feet long.	.10	150.00	.0844	126.60	.0816	122.40	8.17	122.55
F. o. b.	1,374.00 Chicago, Ill.		1,115.04 St. Louis, Mo.		1,053.60 Williamsport, Pa.		367.65 Cleveland, Ohio.	
Time of delivery.	In stock.		10 days.		90 to 120 days.		3 days.	

Articles.	No. 5. H. Channon Co., Chicago, Ill.		No. 6. Macomber & Whyte Rope Co., Kenosha, Wis. ?		No. 7. A. Leschen & Sons Rope Co., St. Louis, Mo.	
	Price per foot.	Amount.	Price per foot.	Amount.	Price per foot.	Amount.
3 pieces rope, wire steel, $\frac{3}{8}$ by 6 inches by 19, 5,400 feet long.	\$0.29	\$1,566.00	\$0.10	2 \$540.00	\$0.1683	\$908.82
2 pieces rope, wire steel, $\frac{1}{2}$ by 6 inches by 19, 3,000 feet long. ....	.19	570.00	.08	2 240.00	.13	390.00
6 pieces rope, wire steel, $\frac{3}{8}$ by 6 inches by 19, 1,200 feet long. ....	.29	348.00	.10	2 120.00	.1683	201.96
6 pieces rope, wire steel, $\frac{1}{2}$ by 6 inches by 19, 1,500 feet long. ....	.19	285.00	.08	2 120.00	.13	195.00
F. o. b.	2,769.00		1,020.00		1,695.78	
Time of delivery.	At once.		Gasconade, Mo. 10 days		St. Louis, Mo. 4 months.	

¹ No bid.

² Awarded.

Abstract of proposals for long-leaf yellow-pine piling, Napoleon, Mo., dated Jan. 25, 1918, opened Feb. 15, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. P. E. Hammons Co. (Inc.), Beaumont, Tex.		No. 2. Western States Lumber Co., Kansas City, Mo. (pine or cypress).		No. 2a. Western States Lumber Co., Kansas City, Mo. (pine or cypress).		No. 3. A. L. Houghton & Co., Kansas City, Mo. (pine or cypress).	
	Price per foot.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
265 long-leaf yellow-pine piles 34 feet long, 9,010 feet	\$0.09	¹ \$810.90	\$0.11 $\frac{1}{2}$	\$1,036.15	\$0.10	\$901.00	\$0.11 $\frac{1}{2}$	\$1,036.15
265 long-leaf yellow-pine piles 36 feet long, 9,540 feet .....	.09	¹ 858.60	.11 $\frac{1}{2}$	1,097.10	.10	954.00	.11 $\frac{1}{2}$	1,097.10
265 long-leaf yellow-pine piles 38 feet long, 10,070 feet .....	.09	¹ 906.30	.11 $\frac{1}{2}$	1,158.05	.10	1,007.00	.11 $\frac{1}{2}$	1,158.05
265 long-leaf yellow-pine piles 40 feet long, 10,600 feet .....	.09	¹ 954.00	.11 $\frac{1}{2}$	1,219.00	.10	1,060.00	.11 $\frac{1}{2}$	1,219.00
265 long-leaf yellow-pine piles 42 feet long, 11,130 feet .....	.10	¹ 1,113.00	.11 $\frac{1}{2}$	1,279.95	.10 $\frac{1}{2}$	1,168.65	.11 $\frac{1}{2}$	1,279.95
265 long-leaf yellow-pine piles 44 feet long, 11,660 feet .....	.10	¹ 1,166.00	.12 $\frac{1}{2}$	1,457.50	.10 $\frac{1}{2}$	1,224.30	.12 $\frac{1}{2}$	1,457.50
265 long-leaf yellow-pine piles 46 feet long, 12,190 feet .....	.10	¹ 1,219.00	.12 $\frac{1}{2}$	1,523.75	.10 $\frac{1}{2}$	1,284.95	.12 $\frac{1}{2}$	1,523.75
265 long-leaf yellow-pine piles 48 feet long, 12,720 feet .....	.10	¹ 1,272.00	.12 $\frac{1}{2}$	1,590.00	.10 $\frac{1}{2}$	1,335.60	.12 $\frac{1}{2}$	1,590.00
265 long-leaf yellow-pine piles 50 feet long, 13,250 feet .....	.10	¹ 1,325.00	.12 $\frac{1}{2}$	1,656.25	.11 $\frac{1}{2}$	1,523.75	.12 $\frac{1}{2}$	1,656.25
265 long-leaf yellow-pine piles 52 feet long, 13,780 feet .....	.11	¹ 1,515.80	.12 $\frac{1}{2}$	1,722.50	.11 $\frac{1}{2}$	1,584.70	.12 $\frac{1}{2}$	1,722.50
265 long-leaf yellow-pine piles 54 feet long, 14,310 feet .....	.11	¹ 1,574.10	.12 $\frac{1}{2}$	1,788.75	.11 $\frac{1}{2}$	1,645.65	.12 $\frac{1}{2}$	1,788.75
265 long-leaf yellow-pine piles 56 feet long, 14,840 feet .....	.11	¹ 1,632.40	.12 $\frac{1}{2}$	1,855.00	.11 $\frac{1}{2}$	1,706.60	.13 $\frac{1}{2}$	2,003.40
265 long-leaf yellow-pine piles 58 feet long, 15,370 feet .....	.11	¹ 1,690.70	.12 $\frac{1}{2}$	1,921.25	.11 $\frac{1}{2}$	1,767.55	.13 $\frac{1}{2}$	2,074.95
265 long-leaf yellow-pine piles 60 feet long, 15,900 feet .....	.11	¹ 1,749.00	.12 $\frac{1}{2}$	1,987.50	.11 $\frac{1}{2}$	1,828.50	.13 $\frac{1}{2}$	2,146.50
265 long-leaf yellow-pine piles 62 feet long, 16,430 feet .....	.12	¹ 1,971.60	.12 $\frac{1}{2}$	2,053.75	.12	1,971.60	.15	2,464.50
265 long-leaf yellow-pine piles 64 feet long, 16,960 feet .....	.12	¹ 2,035.20	.12 $\frac{1}{2}$	2,120.00	.12	2,035.20	.15	2,544.00
265 long-leaf yellow-pine piles 66 feet long, 17,490 feet .....	.12	¹ 2,098.80	.12 $\frac{1}{2}$	2,186.25	.12	2,098.80	.15	2,623.50
F. o. b.....		23,892.40		27,652.75		25,097.85		29,385.85
		Hull, Kearney, and Sampa-roc, La.		Houlton Junction, La., and K. & E. points, Louisiana,		Rivervale and Marked Tree, Ark., promptly.		Peters, La., Rivervale and Marked Tree, Ark.; car supply.

¹ Awarded.

Abstract of proposal for plumbing supplies, West Alton, Mo., dated Feb. 9, 1918, opened Feb. 19, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. N. O. Nelson Mfg. Co., St. Louis, Mo.		No. 2. Standard Sanitary Mfg. Co., St. Louis, Mo.		No. 3. Geo. B. Carpenter & Co., Chicago, Ill.		No. 4. Crane Co., Kansas City, Mo.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
1 adjustable pipe die stock	\$6.00	\$6.00	.....	\$5.76	(1)	(1)	.....	2 \$5.70
1 adjustable pipe die stock	10.80	10.80	.....	9.00	(1)	(1)	.....	2 9.50
4 navy globe valves	11.00	44.00	.....	29.00	\$7.55	\$30.20	\$7.50	230.00
6 malleable-iron unions	6.50	6.50	.....	5.10	.70	4.20	.70	2 4.20
6 lengths 1½-inch galvanized pipe	20.87	25.04	\$20.04	24.05	.21	25.20	20.90	223.08
6 only 1½-inch galvanized unions	2.57	2.57	.....	2.43	.52	3.12	.47½	2 2.84
1 frame and frame pin for above	1.08	1.08	.....	1.10	2.55	1.50	.22	2 1.32
1 only 24-inch primo pipe wrench	2.75	2.75	.....	2.70	2.55	2.55	.....	2 3.02
1 frame and frame pin for above .....	.37	.37	.....	.35	.35	.35	.....	2 .42
6 only 1½-inch malleable pipe caps .....	.47	.47	.....	1.62	.06	.36	.09	2 .54
12 only 1-inch malleable 45° elbows	1.08	1.08	.....	1.06	1.20	1.20	.14½	2 1.72
2 brass regrinding angle check valves	1.56	1.56	.....	1.40	.85	1.70	(1)	(1)
12 only 1-inch malleable-iron lock nuts .....	.54	.54	.....	.37	.03	.36	.03½	2 .46
1 only ½-inch ammonia check valve	(1)	(1)	.....	7.15	6.10	6.10	.....	2 4.85
.....	.....	102.76	.....	.....	.....	76.84	.....	87.65

¹ No bid.

² Awarded.

Abstract of proposal for boat spikes, Napoleon, Mo., dated Feb. 11, 1918, opened Feb. 21, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1 Schoellhorn-Albrecht Machine Co., St. Louis, Mo.		No. 2. Moran Bolt & Nut Mfg. Co., St. Louis, Mo.		No. 3. Republic Iron & Steel Co., St. Louis, Mo.	
	Price per lb.	Amount.	Price per cwt.	Amount.	Price per cwt.	Amount.
3,000 pounds square boat spikes, ¾ by 6 inches	\$0.10	\$300.00	\$6.25	¹ \$187.50	\$5.55	¹ \$166.50
F. o. b	St. Louis, Mo.	.....	St. Louis, Mo.	.....	Pittsburgh, Pa.	.....
Time of delivery	30 days	.....	10 days	.....	From stock.	.....

¹ Awarded.

Abstract of proposal for pumps, Gasconade, Mo., dated Feb. 20, 1918, opened Mar. 4, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. M. T. Davidson Co., Brooklyn, N. Y.		No. 2. The Chas. Barnes Co., Cincinnati, Ohio.		No. 3. The National Steam Pump Co., Upper Sandusky, Ohio.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
2 only, pumps, boiler feed, single cylinder. F. o. b	\$310.00	\$620.00	\$275.00	¹ \$550.00	\$135.00	\$270.00
.....	Brooklyn, N. Y.	.....	Gasconade, Mo.	.....	Upper Sandusky, Ohio.	.....
Time of delivery	21 days	.....	Immediate shipment.	.....	20 days.	.....

Articles.	No. 4. Henry R. Worthington, Kansas City, Mo.		No. 5. Reeves & Skinner Machinery Co., St. Louis, Mo.		No. 6. Victor L. Phillips, Kansas City, Mo.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
2 only, pumps, boiler feed, single cylinder. F. o. b	\$220.00	\$440.00	\$204.00	\$408.00	\$222.20	\$444.40
.....	East Cambridge, Mass.	.....	Battle Creek, Mich.	.....	384.45	768.90
Time of delivery	30 days	.....	45 days	.....	Cleveland, Ohio.	.....
.....	.....	.....	.....	.....	Immediately.	.....

¹ Awarded.

Abstract of proposal for boiler flues, Glasgow, Mo., dated Mar. 21, 1918, opened Apr. 1, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Joseph T. Ryerson & Son, St. Louis, Mo.		No. 2. Beck & Corbitt Iron Co., St. Louis, Mo.		No. 3. Schoellhorn-Albrecht Machine Co., St. Louis, Mo.		No. 4. The English Tool & Supply Co., Kansas City, Mo.		No. 5. Crane Co., Kansas City, Mo.	
	Price per foot.	Amount.	Price each	Amount	Price.	Amount.	Price.	Amount.	Price.	Amount.
86 only boiler flues, 5 feet 2 inches long by 2 inches diameter.....	\$0.27 ¹	\$123.30	\$1.56	\$134.16	.....	\$168.00	\$1.54	\$132.44	\$2.63	\$226.18
F. o. b.....	Glasgow, Mo.		Glasgow, Mo.		Glasgow, Mo.		Glasgow, Mo.		Glasgow, Mo.	
Time of delivery.....	2 days.....		From stock...		5 days.....		10 days.....		1 day.	

¹ Awarded.

Abstract of proposal for motor, Kansas City, Mo., Mar. 23, 1918, opened Apr. 2, 1918, by Willard Young, United States agent.

Articles.	No. 1. Red Wing Motor Co., Red Wing, Minn.	No. 2. Gray Motor Co., Detroit, Mich.
1 only gasoline marine motor, each.....	\$420.00	¹ \$376.50
F. o. b.....	Red Wing, Minn.	Detroit, Mich.
Time of delivery.....	6 days.....	1 day.

¹ Awarded.

Abstract of proposal for automobile, Kansas City, Mo., Mar. 30, 1918, opened Apr. 10, 1918, by Willard Young, United States agent.

Articles.	No. 1. Butler Motor Co., Kansas City, Mo.	No. 2. Hiatt Motor Co., Kansas City, Mo.	No. 3. Studebaker Corporation, Kansas City, Mo.	No. 4. MacDowell Motor Car Co., Kansas City, Mo.
1 only automobile.....	{ \$975.00 1,500.00 }	\$1,395.00	\$967.55	{ \$1,500.00 1,400.00 1,250.00 }
Kind.....	Dodge.....	Buick.....	Studebaker...	{ Moon..... Patterson..... }
Condition.....	New.....	New.....	New.....	New.....
Delivery.....	Not specified..	10 days.....	1 day.....	1 day.....

Articles	No. 5. Moriarty Motor Co., Kansas City, Mo.	No. 6. Noyes-Killy Motor Co., Kansas City, Mo.	No. 7. Bruening Bros. Auto Co., Kansas City, Mo.
1 only automobile.....	{ \$1,085.00 1,290.00 }	¹ \$1,500.00	{ \$1,300.00 1,000.00 1,400.00 }
Kind.....	Mitchell.....	King.....	{ Apperson. Packard. Kissell. }
Condition.....	New.....	New.....	New.....
Delivery.....	At once.....	Not stated....	3 days.

¹ Awarded.

Abstract of proposal for motors, Gasconade, Mo., dated Apr. 2, 1918, opened Apr. 12, 1918, by Willard Young, United States agent.

Articles.	No. 1. Gray Motor Co., Detroit, Mich.		No. 2. Marine Manufacturing & Supply Co., Pittsburgh, Pa.		No. 3. Red Wing Motor Co., Red Wing, Minn.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
2 motors.....	\$376.50	¹ \$753.00	(?)	(?)	\$420.00	\$840.00
F. o. b.....	Detroit, Mich.....		.....		Red Wing, Minn.	
Time of delivery.....	2 days.....		.....		6 days.	

Articles.	No. 4. Auto Engine Works (Inc.), St. Paul, Minn.		No. 5. Belle Isle Boat & Engineering Co., Detroit, Mich.		No. 6. Rippley Boat Co. (Inc.), Grafton, Ill.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
2 motors.....	\$580.00	\$1,160.00	\$910.00	\$1,820.00	\$444.00	\$888.00
F. o. d.....	St. Paul, Minn.....		Detroit, Mich.....		Gasconade, Mo.	
Time of delivery.....	3 to 5 days.....		From stock.....		Promptly.	

¹ Awarded.

² No bid.

Abstract of proposal for concrete mixers, etc., Gasconade, Mo., dated May 15, 1918, opened May 25, 1918, by Willard Young, United States agent.

Articles.	No. 1. Victor L. Phillips, Kansas City, Mo.		No. 2. Koehring Machine Co., Milwaukee, Wis.		No. 3. G. L. Stuebner, Long Island City, N. Y.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
1 concrete mixer.....	{ \$2,099.50 }		{ }		{ (1) }	
2 bottom-dumping buckets.....	{ 2,499.00 }		{ }		\$130.00	\$260.00
<i>Alternate bid.</i>						
2 self-dumping buckets.....	{ (1) }		{ (1) }		70.00	140.00
F. o. b.....	Gasconade, Mo.....		Milwaukee, Wis.....		New York City, from stock.	
Time of delivery.....	At once.....		4 days.....		3 weeks.	

Articles.	No. 4. Funkhouser Equipment Co., Kansas City, Mo.		No. 5. Lakewood Engineering Co., Cleveland, Ohio.		No. 6. American Cement Machinery Co., Keokuk, Iowa.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
1 concrete mixer.....		\$2,030.00	{ }	\$2,035.00	{ }	\$1,662.60
2 bottom-dumping buckets.....	\$130.00	² 260.00	{ }	1,945.00	{ }	(1)
<i>Alternate bid.</i>						
2 self-dumping buckets.....	70.00	140.00	.....	320.00	.....	(1)
F. O. B.....	Dunellon, N. J.; Long Island City, N. Y.		Cleveland, Ohio; Milwaukee, Wis.		Keokuk, Iowa.	
Time of delivery.....	3 days.....		Promptly.....		14 days.	

¹ No bid.

² Awarded.

52 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposal for steam capstans, Gascade, Mo., dated May 15, 1918, opened May 25, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Schoellhorn-Albrecht Machine Co., St. Louis.		No. 2. Dake Engine Co., Grand Haven.		No. 3. The Chas. Barnes Co., Cincinnati, Ohio.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
Steam capstans (4 only).....	\$990	\$3,960		\$2,090		\$2,700
F. o. b. shipping points.....	St. Louis, Mo....		Grand Haven, Mich.		Cincinnati, Ohio.	
Time of delivery.....	90 days		42 days		60 days	

Articles.	No. 4. American Engineering Co., Philadelphia, Pa.		No. 5. Geo. B. Carpenter & Co., Chicago, Ill.	
	Price.	Amount.	Price.	Amount.
Steam capstans (4 only).....	\$925	\$3,700	\$1,295	\$5,180
F. o. b. shipping points.....	Philadelphia, Pa..		Chicago, Ill.	
Time of delivery.....	4 months		150 days	

¹ Awarded.

Abstract of proposal for 11,750 feet revetment (Pelican Bend, Missouri River), dated Apr. 27, 1918, opened May 27, 1918, by Col. Willard Young, United States agent.

Articles.	No. 1. Stanton & Jones, Leavenworth, Kans.		No. 2. Kansas City Bridge Co., Kansas City, Mo.	
	Price.	Amount. ¹	Price.	Amount.
Mattress:				
Anchor piles (19,260 feet)..... per linear foot..	\$0.435	\$8,378.10	\$0.67	\$12,904.20
Willow brush (7,000 cords)..... per cord.....	7.87	55,090.00	9.21	64,470.00
Cribbing poles (550 cords)..... do.....	19.84	10,912.00	18.07	9,938.50
Placing concrete blocks (46,400 blocks)..... per block..	.46	21,344.00	.72	33,408.00
Stone on mattress (8,100 cubic yards)..... per cu. yd..	2.217	17,957.70	3.14	25,434.00
Paving:				
Grading bank (140,000 cubic yards)..... do.....	.0542	7,588.00	.08	11,200.00
Stone (16,000 cubic yards)..... do.....	2.688	43,008.00	4.04	64,640.00
Spalls on mattress and paving (4,500 cubic yards), per cu. yd.....	2.778	12,501.00	3.66	16,470.00
Total.....		176,778.80		238,464.70

¹Awarded.

Abstract of proposal for strand, Glasgow and Napoleon, Mo., dated May 22, 1918, opened June 1, 1918, by Willard Young, United States agent.

Articles.	No. 1. Macomber & Whyte Rope Co., Kenosha, Wis.		No. 2. American Steel & Wire Co., Kansas City, Mo.		No. 3. Indiana Steel & Wire Co., Muncie, Ind.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
420,000 linear feet, 3/8 inch strand . . . per 100 feet . . .	\$1.89	\$7,938.00	\$1.49	\$6,258.00	\$1.626	\$6,829.20
Shipping points	Kenosha, Wis.		Waukegan, Ill.		Muncie, Ind.	
Freight rates	25 cents cwt. Glasgow, 25 cents cwt. Napoleon.		25 cents cwt. Glasgow, 27 cents cwt. Napoleon.		Not given.	
Deliveries	60 days		10-14 days		10-14 days.	

Articles.	No. 4. A. Leschen & Sons Rope Co., St. Louis, Mo.		No. 5. Broderick & Bascom Rope Co. St. Louis, Mo.	
	Price.	Amount.	Price.	Amount.
420,000 linear feet, 3/8 inch strand per 100 feet . . .	\$2.08	\$8,736.00	\$2.25	\$9,450.00
Shipping points	St. Louis, Mo.		St. Louis, Mo.	
Freight rates	20 cents cwt. Glasgow, 22 cents cwt. Napoleon.		20 cents cwt. Glasgow, 22 cents cwt. Napoleon.	
Deliveries	Part 60-90 days, complete 6 months.		30 days.	

¹ Awarded.

Abstract of proposal for 60,000 linear feet, 4-inch wire mesh, Glasgow, Mo., dated June 11, 1918, opened June 21, 1918, by Willard Young, United States agent.

Articles.	No. 1. American Wire Fence Co., Chicago, Ill.		No. 2. American Steel & Wire Co., Chicago, Ill.		No. 3. Concrete Engineering Co., Omaha, Nebr.		No. 4. Concrete Products Co. Kansas City, Mo.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
In rolls:								
Plain or black wire	\$1.37	\$1,507.00	\$1.30	¹ \$1,300.00	(²)	(²)	(²)	(²)
Galvanized wire	1.55	1,705.00	1.44	1,440.00	\$1.75	\$1,925.00	(²)	(²)
In squares:								
Plain or black wire . . . . .	.052	1,701.80	(²)	(²)	(²)	(²)	(²)	(²)
Galvanized wire . . . . .	.057	1,865.44	(²)	(²)	(²)	(²)	\$1.87	\$1,870.00
Shipping points	Libertyville, Ill.		De Kalb, Ill.		Chicago, Ill.		Glasgow, Mo. (delivered).	
Freight rates:								
Less carload lots			40 cents cwt.		40 cents cwt.			
Carload lots	32 cents cwt.		25 cents cwt.		25 cents cwt.		Not given.	
Deliveries	30-45 days		14-30 days		10-14 days		14 days.	
Weight per 100 square feet	27.5 pounds		28 pounds		17.9 pounds		Not given.	
Widths	22 inches		20 inches		22 inches		22 inches.	

¹ Awarded.

² No bid.

COAL.

Abstract of proposal for 13 cars coal, Gasconada, Mo., dated Aug. 4, 1917, opened Aug. 14, 1917, by Wm. H. Bixby, brigadier general, United States Army, retired.

Quantity—articles.	No. 1. Consolidated Coal Co. of St. Louis, Mo.	No. 2. Western Coal & Min- ing Co., Kansas City, Mo.	No. 3. Star Coal Co., Kansas City, Mo.	No. 4. Miller Coal & Coke Co., St. Louis, Mo.	No. 5. Boehmer Coal Co., St. Louis, Mo.	No. 6. Rutledge & Taylor Coal Co., Chicago, Ill.
	<i>Price per ton.</i>	<i>Price per ton.</i>	<i>Price per ton.</i>	<i>Price per ton.</i>	<i>Price per ton.</i>	<i>Price per ton.</i>
7 cars:						
8-inch lump.....	\$3.00	\$3.00		¹ \$2.60		
6-inch lump.....	3.00	3.00	\$3.25			\$3.00
6 cars:						
3-inch lump.....	2.75	3.00			¹ \$2.50	3.00
Mine run.....	2.50	3.00			2.35	2.25

¹ Awarded.

F. o. b.: No. 1, Collinsville, Ill.; No. 2, Lexington, Mo.; No. 3, Cantine, Ill.; No. 4, St. Clair County, Ill.; No. 5, Sparta, Ill.; No. 6, Livingston and Nokomis, Ill.

NASHVILLE (TENN.) DISTRICT.

[Mr. A. B. M Grew, District, Engineer.]

RIVERS AND HARBORS.

[Cumberland River, Tenn. and Ky.: Continuing improvement below Nashville (Locks and Dams E and F.)]

Abstract of proposals for cylindrical valves, anchorages, and miscellaneous ironwork, for Locks E and F, Cumberland River, opened Jan. 15, 1918, by W. S. Winn, assistant engineer in charge, Nashville, Tenn.

Name and address of bidder.	Material f. o. b. Fox Bluff, Tenn.
1. Chas. Hegewald Co., New Albany, Ind.....	\$29,000.00
2. Steacy-Schmidt Manufacturing Co., York, Pa.....	25,950.00
3. Nashville Machine Co., Nashville, Tenn.....	¹ 22,478.89

¹ Recommended for acceptance.

WHEELING (W. VA.), DISTRICT.

[Officer: Lieut. Col. H. W. Stickle, U. S. Army, retired.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing and delivering 48,800 barrels of American Portland cement for Dams Nos. 21, 22, and 27, Ohio River, opened at Wheeling, W. Va., on June 4, 1918, by Lieut. Col. H. W. Stickle, United States Army, retired.

Name and address of bidder.	Dam No. 21, 17,300 barrels cement.		Dam No. 22, 7,000 barrels cement.		Dam No. 27, 24,000 barrels cement.	
	Rate.	Amount.	Rate.	Amount.	Rate.	Amount.
1. Universal Portland Cement Co., Pittsburgh, Pa.	¹ \$2.62	45,326	¹ \$2.62	18,340	¹ \$2.66	63,840
2. Louisville Cement Co., Louisville, Ky.....	2.58	44,634	2.58	18,060	2.50	60,000
Portland cement committee on Government requirements.....	² 2.52	43,596				
Do.....			³ 2.52	17,640		
Do.....					⁴ 2.56	23,040
					2.56	38,400

Name and address of bidder.	Brand.	Net weight per barrel.	To be shipped from—	Allowance for sacks.
1. Universal Portland Cement Co., Pittsburgh, Pa.	Universal.....	Lbs. 376	Universal, Pa.....	Cents. 10
2. Louisville Cement Co., Louisville, Ky.....	Speed.....	376	Speed, Ind.....	10
Portland cement committee on Government requirements.	Lehigh.....		New Castle, Pa.....	10
Do.....	Crescent.....		Crescentdale, Pa.....	10
Do.....	do.....		do.....	10
	Ironton.....		Ironton, Ohio.....	10

¹ 3 cents per barrel less if bin-inspected stock is not required.

² To be furnished by Lehigh Portland Cement Co., Allentown, Pa.

³ To be furnished by Crescent Portland Cement Co., Wampum, Pa.

⁴ 9,000 barrels of the 24,000 barrels required for this dam to be furnished by Crescent Portland Cement Co., Wampum, Pa., and 15,000 barrels (or balance for this dam) to be furnished by the Ironton Portland Cement Co., Ironton, Ohio.

Bidders Nos. 1 and 2 state that an allowance of 5 cents per barrel will be made for cash within 10 days from date of shipment. This statement is also made by the Portland Cement Committee.

NOTE.—Order for Dams Nos. 21 and 22 place upon allocation by the Portland cement committee on Government requirements. No. 2 accepted for Dam No. 27.

Abstract of proposals for furnishing and delivering 6 or 7 maneuver boats for Ohio River dams in the Wheeling district. opened at Wheeling, W. Va., on Nov. 16, 1917, by Lieut. Col. H. W. Stickle, United States Army, retired.

Article.	Quantity.	1. The Dravo Contracting Co., Pittsburgh, Pa. ¹	2. Howard Shipyards & Dock Co., Jeffersonville, Ind.	3. American Bridge Co., Pittsburgh, Pa.
Will furnish material, labor, etc., and construct and deliver 7 maneuver-boat hulls, with cabins, and furnish machinery at Dam No. 21, Ohio River, first boat, within.	.....	180 days.....	.....	.....
Succeeding boats at intervals of.....	.....	20 days.....	.....	.....
Maneuver-boat hulls, with steamboat capstan, etc.	6 or 7.....	² \$19,262.50.....	.....	³ \$18,500.00.
Do.....	.....	⁴ \$19,375.00.....	.....	.....
Or, maneuver-boat hulls, contract to be awarded for.	1 or more.....	² \$20,000.00.....	.....	.....
Do.....	.....	⁵ \$20,112.50.....	.....	.....
<i>Alternative bid.</i>				
Maneuver-boat hulls, equipped as specified and in accordance with paragraph 23 of specifications.	6 or 7.....	.....	\$15,042.00.....	.....
Or, maneuver-boat hulls, contract to be awarded for.	1 or more.....	.....	\$15,042.00.....	.....
Will deliver first boat after receiving material for that boat furnished by United States.	.....	.....	60 days.....	.....
Will deliver each succeeding boat at intervals of.....	.....	.....	30 days.....	.....
Provided materials to be furnished by the United States are delivered in advance of date fixed for delivery of each boat.	.....	.....	70 days first boat, 40 days thereafter.	.....
Capstan and nigger engine will be manufactured by.	.....	.....	In accordance with plans and specifications.	.....
Wire rope and sheaves will be manufactured by.	.....	.....	American Steel & Wire Co., and American Hoist & Derrick Co.	.....
Will complete hulls after receipt of notice of approval of contract by Chief of Engineers.	.....	.....	.....	24 months.

Article.	Quantity.	4. Wilkins & Co., Cincinnati, Ohio.	5. Hartmann-Greiling Co., Green Bay, Wis.
Will furnish material, labor, etc., and construct and deliver 7 maneuver-boat hulls with cabins, and furnish machinery at Dam No. 21, Ohio River, first boat, within.	.....	200 days.....	.....
Succeeding boats at intervals of.....	.....	35 days.....	.....
Maneuver-boat hulls, with steamboat capstan, etc.	6 or 7.....	\$26,344.....	.....
Do.....	.....	.....	.....
Or, maneuver-boat hulls, contract to be awarded for.	1 or more.....	.....	.....
Do.....	.....	.....	.....
<i>Alternative bid.</i>			
Maneuver-boat hulls, equipped as specified and in accordance with par. 23 of specifications.	6 or 7.....	.....	\$24,800.
Or, maneuver-boat hulls, contract to be awarded for.	1 or more.....	.....	.....
Will deliver first boat after receiving material for that boat furnished by United States.	.....	.....	210 days.
Will deliver each succeeding boat at intervals of.....	.....	.....	60 days.
Provided materials to be furnished by the United States are delivered in advance of date fixed for delivery of each boat.	.....	.....	180 days advance of delivery of first boat.
Capstan and nigger engine will be manufactured.....	.....	.....	By firm approved by contracting officer.
Wire rope and sheaves will be manufactured.....	.....	.....	Do.
Will complete hulls after receipt of notice of approval of contract by Chief of Engineers.	.....	.....	.....

¹ Accepted (for 7 boats).

² With flanging steel plates.

³ Does not include complete hulls, with fittings, etc., and does not include delivery to Dam No. 21, Ohio River.

⁴ With flange steel plates.

Abstract of proposals for furnishing and delivering steel trestles for Locks Nos. 4 and 7, Kanawha River, opened at Wheeling, W. Va., on Apr. 22, 1918, by Lieut. Col. H. W. Stickle, U. S. Army, retired.

Material.	1. The J. E. Moss Ironworks, Wheeling, W. Va.	2. Independent Bridge Co., Pittsburgh, Pa.	3. Penn Bridge Co., Beaver Falls, Pa. ¹	4. Chas. Hegewald Co., New Albany, Ind.
<i>Lot A—Lock No. 4.</i>				
10 trestles, complete with chain stops, rail pins, eye-bolts, etc., as detailed on drawing K 31/3.1.	\$1,570	.....	\$1,425	\$1,729
<i>Lot B—Lock No. 7.</i>				
30 trestles, complete with chain stops, rail pins, eye-bolts, etc., as detailed on drawing K 32/26.	4,800	.....	3,880	4,999
Or, if awarded, the trestles complete for both locks.....	6,300	\$12,400	5,275	6,728

¹ Accepted.

Abstract of proposals for building a fireproof power house at Dam No. 24, Ohio River, opened at Wheeling, W. Va., on Oct. 2, 1917, by Lieut. Col. H. W. Stickle, United States Army, retired.

Material.	The Pitt Construction Co. (Inc.), Pittsburgh, Pa.
Building fireproof power house.....	\$56,000
Extra concrete.....cubic yards.....	15
Extra excavation.....do.....	2

Bid rejected as excessive.

Abstract of proposals for installing structural-steel bear-trap leaves at Dam No. 22, Ohio River, opened at Wheeling, W. Va., on Sept. 1, 1917, by Lieut. Col. H. W. Stickle, United States Army, retired.

Name and address of bidder.	Amount.
1. Penn Bridge Co., Beaver Falls, Pa.....	\$7,400
2. Walter S. Rae, Pittsburgh, Pa.....	5,907
3. Independent Bridge Co., Pittsburgh, Pa.....	5,870
4. Whitehead & Kales Ironworks, Detroit, Mich.....	6,800

¹ Accepted.

Abstract of proposals for furnishing and delivering wicket chains, etc., for Dams Nos. 21, 22, and 24, Ohio River, opened at Wheeling, W. Va., on December 5, 1917, by Lieut. Col. H. W. Stickle, United States Army, retired.

Material.	The Hayden-Corbett Chain Co., Columbus, Ohio.	Material.	The Hayden-Corbett Chain Co., Columbus, Ohio.
Lot A—Dam No. 21: 101 wicket chains, complete.....	\$4,233.85	ALTERNATIVE. (In accordance with par. 16 of specifications.) Lot A—Dam No. 21: 101 wicket chains, complete..... Shipment within.....days..... Lot B—Dam No. 22: 66 wicket chains, complete..... Shipment within.....days..... Lot C—Dam No. 24: 65 wicket chains, complete..... Shipment within.....days..... Or, if awarded contract for all three lots together—lots A, B, and C..... Shipment for lot B within.....days..... Shipment at intervals thereafter for lots A and C.....days.....	
Shipment within.....days.....	182		
Lot B—Dam No. 22: 66 wicket chains, complete.....	\$2,724.30		
Shipment within.....days.....	212		
Lot C—Dam No. 24: 65 wicket chains, complete.....	\$2,727.25		
Shipment within.....days.....	243		
Or, if awarded contract for all 3 lots together—lots A, B, and C.....	\$9,686.40		
Shipment for lot B within.....days.....	182		
Shipment at intervals thereafter for lots A and C.....days.....	30		

Bid accepted for lots B and C; lot A rejected.

Abstract of proposals for furnishing and delivering structural steel for roof of power house for Dam No. 24, Ohio River, opened at Wheeling, W. Va., January 28, 1918, by Lieut. Col. H. W. Stickle, United States Army, retired.

Names and addresses of bidders.	Furnish, fabricate, and deliver structural steel for roof of power house.
1. The General Iron Works Co., Front and Harriet Streets, Cincinnati, Ohio.....	\$2,740
2. The J. E. Moss Iron Works, Twenty-eighth and Chapline Streets, Wheeling, W. Va.....	3,480
3. W. N. Kratzer Co., 3212 Smallman Street, Pittsburgh, Pa.....	2,940

No. 1 accepted.

Abstract of proposals for constructing pass, weir, bear trap, etc., for Dam No. 23, Ohio River, opened at Wheeling, W. Va., on Apr. 30, 1918, by Lieut. Col. H. W. Stickle, United States Army, retired.

Material.	Designation.	Quantity.	National Contract Co., Evansville, Ind.	
			Rate.	Amount.
Cofferdam.....	Linear feet.....	1,012	\$200.00	\$202,400
Common excavation.....	Cubic yards.....	23,500	2.00	47,000
Rock channeling.....	Square feet.....	3,700	2.50	9,250
Rock excavation.....	Cubic yards.....	2,400	4.00	9,600
Drilling relief holes.....	Linear feet.....	96	1.00	90
Fill.....	Cubic yards.....	2,400	1.00	2,400
Riprap.....	do.....	530	6.00	3,180
Oak timber.....	Feet board measure.....	36,800	200.00	7,360
Concrete.....	Cubic yards.....	21,700	15.00	325,500
Stone paving.....	do.....	480	10.00	4,800
Concrete paving (alternative for stone paving).....	do.....	240	15.00	1 3,600
Structural steel.....	Lot A.....	.....	.....	82,780
Forgings (including wrought iron).....	Lot B.....	.....	.....	6,125
Bolts, etc.....	Lot E.....	.....	.....	1,780
Iron castings.....	Lot D.....	.....	.....	22,335
Steel castings.....	Lot C.....	.....	.....	34,200
Bronze.....	Lot F.....	.....	.....	140
Filter bed, including pipe and strainers, complete.....	Lot G.....	.....	.....	2,500
Pipe, 6-inch.....	Linear feet.....	55	10.00	550
Pipe, 4-inch.....	do.....	230	6.00	1,380
Pipe, 3-inch.....	do.....	130	7.00	910
Pipe, 3-inch, constructing trench and placing 3-inch pipe, pipe to be furnished by the United States.....	do.....	870	3.00	2,610
Total.....	.....	.....	.....	766,840

¹ The item of concrete paving is an alternative for stone paving, and this amount was therefore not added to the bid.

Bid rejected as excessive.

Abstract of proposals for constructing pass, weir, bear trap, etc., for Dam No. 25, Ohio River, opened at Wheeling, W. Va., on Apr. 30, 1918, by Lieut. Col. H. W. Stickle, United States Army, retired.

Material.	Designation.	Quantity.	National Contract Co., Evansville, Ind.	
			Rate.	Amount.
Cofferdam.....	Linear feet.....	1,014.1	\$150.00	\$152,115
Common excavation.....	Cubic yards.....	60,000	1.50	90,000
Rock channeling.....	Square feet.....	6,000	2.00	12,000
Hard or shallow rock excavation (sandstone or hard shale without seams).....	Cubic yards.....	3,000	5.00	15,000
Soft or deep rock excavation (soft shale or shale with seams).....	do.....	7,000	5.00	1 35,000
Drilling relief holes.....	Linear feet.....	90	1.00	90
Fill.....	Cubic yards.....	7,300	.75	5,475
Riprap.....	do.....	320	6.00	1,920
Oak timber (sills and bear-trap leaf).....	Feet B. M.....	36,900	200.00	7,380
Concrete.....	Cubic yards.....	25,000	12.50	2 312,500
Stone paving.....	do.....	100	10.00	1,000
Concrete paving (alternative for stone paving).....	do.....	50	15.00	3 750
Structural steel.....	Lot A.....	.....	.....	85,180
Forgings (including wrought iron).....	Lot B.....	.....	.....	6,250
Bolts, etc.....	Lot E.....	.....	.....	1,920
Iron castings.....	Lot D.....	.....	.....	23,190
Steel castings.....	Lot C.....	.....	.....	34,500
Bronze.....	Lot F.....	.....	.....	140
Filter bed, including pipe and strainers complete.....	Lot G.....	.....	.....	2,500
Pipe, 6-inch.....	Linear feet.....	55	10.00	550
Pipe, 4-inch.....	do.....	230	6.00	1,380
Pipe, 3-inch.....	do.....	130	7.00	910
Constructing trench and placing 3-inch pipe (pipe to be furnished by the United States).....	do.....	882	3.00	2,646
Total.....	.....	.....	.....	766,646

¹ There are two items for rock excavation. For convenience in comparing bids one-half of the total (\$15,000 and \$35,000) for the two items was taken, \$25,000.

² The estimated quantities were from 24,500 to 26,000 cubic yards. An average of 25,000 cubic yards was used in tabulating bid.

³ The item of concrete paving is an alternative for stone paving, and this amount was therefore not added to the bid.

Bid rejected as excessive.

CINCINNATI (OHIO), FIRST DISTRICT.

[Mr. R. R. Jones, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing and delivering stone at Dam No. 35, Ohio River, opened Oct. 18, 1917, at United States Engineer Office, first district, Cincinnati, Ohio.

Items.	1. Western Rivers Co., Point Pleasant, W. Va.	
	Rate.	Total.
8,750 cubic yards stone (¾ to 1 cubic yard each).....	\$2.94	\$25,725
3,750 cubic yards stone (spalls to 2 cubic feet).....	2.94	11,025
Total.....		36,750

Demurrage on barges not unloaded in 3 days, \$5 per day.
Bid accepted.

Abstract for proposals for constructing two steel hull maneuver boats with machinery (Ohio River improvement), opened Nov. 2, 1917, at United States Engineer office, first district, Cincinnati, Ohio.

	1. Milwaukee Bridge Co., Milwaukee.		2. Dravo Contracting Co., Pittsburgh, Pa.		3. Wilkins & Co., Cincinnati, Ohio.		4. Howard Shipyards & Dock Co., Jeffersonville, Ind.		5. American Bridge Co., Cincinnati, Ohio.	
	Each.	Total.	Each.	Total.	Each.	Total.	Each.	Total.	Each.	Total.
<i>Lot A.</i>										
Hull only delivered at bidder's shops.....									\$17,300	\$34,600
Extra for delivery to a point not farther than Pittsburgh, Pa., from bidder's shops.....									25	50
Extra for delivery to point not farther than Cincinnati, Ohio, from bidder's shops.....									300	600
<i>Lot B.</i>										
Cabins and machinery only.....										
<i>Lot C.</i>										
Boat complete.....		\$27,500	¹ \$55,000	\$29,596	\$59,192					
<i>Lot AA.</i>										
Same as lot A, but United States furnishing plates, shapes, etc.....	² \$13,000									
<i>Lot BB.</i>										
Same as lot B, but United States to furnish plates and shapes, but not boiler tubes.....										
<i>Lot CC.</i>										
Same as lot C, but United States to furnish plates and shapes, etc.....		23,500	¹ 47,000			\$27,715.32	\$55,430.64			

¹\$800 to be added for delivery of 2 boats; \$600 to be added for the 2 boats for boilers built in accordance with specifications; \$2,100 to be added for the 2 boats if Lidgerwood engines are insisted on.

²For fabricated metal work only, both boats, f. o. b. Milwaukee, Wis.

Bids rejected as excessive.

Abstract of proposals for furnishing and installing operating machinery, etc., at Dams Nos. 31 and 35, Ohio River, opened Nov. 30, 1917, at United States Engineer office, first district, Cincinnati, Ohio.

Items.	1. Steacy Schmidt Manufacturing Co., York, Pa.	2. J. & J. B. Milholland Co., Pittsburgh, Pa.	3. Miller Supply Co., Huntington, W. Va.
DAM NO. 31.			
Lot A.			
Lock gate winding machinery	¹ \$12,800	² \$13,816.28	.....
Lot B.			
River wall power house machinery .....	.....	2,753.05	.....
Lot C.			
River wall valve operating machinery	³ 7,800	10,039.52	.....
Lot D.			
Land power house machinery .....	.....	.....	\$25,669.26
DAM NO. 35.			
Lot A.			
Lock gate winding machinery	¹ 12,800	² 13,816.28	.....
Lot B.			
River wall power house machinery .....	.....	8,874.80	.....
Lot C.			
River wall valve operating machinery	³ 7,800	10,039.52	.....

¹ No. 1 not bidding on last three items of lot. ³ No. 1 not bidding on last two items of lot.
² No. 2 not bidding on 560 feet of 1-inch wire rope.

Awards: Lots A, B, and C, Dams Nos. 31 and 35, to No. 2. Lot D to No. 3.

Abstract of proposals for furnishing and installing boilers on U. S. towboat "Scioto" (Ohio River improvement) opened Oct. 16, 1917, at United States Engineer office, first district, Cincinnati, Ohio.

	Price bid.
1. Chas. Hegewald Co., New Albany, Ind.	\$11,997
2. Fowler-Wolfe Sheet Metal Works, Paducah, Ky.	12,717

All bids rejected on account of high cost.

Abstract of proposals for furnishing and delivering at Dam No. 39, Ohio River, approximately 7,200 barrels of American Portland cement, opened at United States Engineer office, first district, Cincinnati, Ohio, July 23, 1917.

	Delivery by--		Allowance for empty sacks returned.	Brand of cement.
	Railroad to Carrollton, Ky.	Barge to Dam No. 39.		
1. Louisville Cement Co., Louisville, Ky.	<i>Per barrel.</i> \$2.34	<i>Per barrel.</i> \$2.34	<i>Each.</i> \$0.10	Speed.
2. Lehigh Portland Cement Co., Chicago, Ill.	{ 2.53	.....	.10	
3. Kosmos Portland Cement Co., Louisville, Ky.	{ 2.50	2.50	.10	Lehigh. Kosmos. Universal Portland.
4. Universal Portland Cement Co., Pittsburgh, Pa.	{ 2.53	.....	.10	
	{ 12.50	.....	.10	

¹ Price if bin inspection not required. Price subject to 5 per cent discount for cash in 10 days.

Bid No. 1 accepted.

62 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposals for constructing power house at Dam No. 31, Ohio River, opened at the United States Engineer office, first district, Cincinnati, Ohio, Aug. 31, 1917.

	1. Ward & Ward, Ashland, Ky.
For power house as specified.....	\$39,928
For power house as specified, but with chimney stack of Alphons Custodes type.....	40,200
Reduction to be made in above bid if wooden doors are used instead of metal doors.....	90

Bids rejected as excessive.

Abstract of proposals for furnishing and erecting steel mitering lock gates for Locks Nos. 33 and 39, Ohio River, opened at United States Engineer office, first district, Cincinnati, Ohio, Jan. 18, 1918.

	1. Penn Bridge Co., Beaver Falls, Pa.	2. Whitehead & Kales Iron Works, Detroit, Mich.	3. Independent Bridge Co., Pittsburgh, Pa.
<i>Lot A, Dam No. 33, Ohio River.</i>			
1 set of mitering gates (4 leaves).....	\$74,807	\$74,000	\$76,840
<i>Lot B, Dam No. 39, Ohio River.</i>			
1 set of mitering gates (4 leaves).....	63,821	64,500	66,840
Pintles in lots A and B will be manufactured from.....	Nickel.	Nickel.	Nickel.
<i>Lot AA, Dam No. 33, Ohio River.</i>			
1 set of mitering lock gates same as lot A except United States will furnish and deliver to contractor all plates, structural shapes and bars from which to make rivets.....	63,658	58,500	.....
<i>Lot BB, Dam No. 39, Ohio River.</i>			
1 set of mitering lock gates same as lot B except United States will furnish and deliver to contractor all plates, structural shapes and bars from which to make rivets.....	52,698	48,800	.....

Lot A awarded to No. 2.
Lot B awarded to No. 1.

LOUISVILLE (KY.) DISTRICT.

[W. H. McAlpine, District Engineer.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing and delivering horses, props, etc., for Bebout Weir, Dam No. 48, Ohio River, received in response to advertisement and specifications, opened at United States Engineer office, Louisville, Ky., Aug. 9, 1917.

[Estimated weight of material, 168,449 pounds.]

No.	Name and address of bidder.	Unit price.	Total.
1	Penn Bridge Co., Beaver Falls, Pa.....	\$0.144	\$24,256.66
2	American Car & Foundry Co., Jeffersonville, Ind.....	.178	29,983.92

Abstract of proposals for furnishing and delivering and erecting gates for Lock No. 43, Ohio River, received in response to advertisement and specifications, opened at United States Engineer office, Louisville, Ky., Oct. 1, 1917.

No.	Name and address of bidder.	Price bid.
1	J. & J. B. Milholland Co., Pittsburgh, Pa.....	\$69,875
2	Penn Bridge Co., Beaver Falls, Pa.....	89,915
3	Independent Bridge Co., Pittsburgh, Pa.....	64,700
4	The Whitehead & Kales Iron Works, Detroit, Mich.....	73,500
5	Milwaukee Bridge Co., Milwaukee, Wis.....	98,380

Abstract of proposals for constructing power house at Lock No. 41, Ohio River, received in response to advertisement and specifications, opened at United States Engineer office, Louisville, Ky., Oct. 31, 1917.

No.	Name and address of bidder.	Price bid.
1	General Construction Co., Louisville, Ky.....	\$8,511
2	Geo. H. Rommel Co., Louisville, Ky.....	7,739
3	Alt Building Co., Louisville, Ky.....	7,925
4	Alfred Struck Co., Louisville, Ky.....	9,345
5	National Concrete Construction Co., Louisville, Ky.....	7,691

Abstract of proposals for furnishing and delivering and erecting gates for Lock No. 48, Ohio River, received in response to advertisement and specifications, opened at United States Engineer office, Louisville, Ky., Jan. 23, 1918.

No.	Name and address of bidder.	Price bid.
1	Independent Bridge Co., Pittsburgh, Pa.....	\$72,800
2	Penn Bridge Co., Beaver Falls, Pa.....	75,890
3	Whitehead & Kales Iron Works, Detroit, Mich.....	85,900

Abstract of proposals for furnishing and delivering wicket irons, horses, and props for Dam 43, Ohio River, received in response to advertisement and specifications, opened at United States Engineer office, Louisville, Ky., Feb. 9, 1918.

Item No.	Material.	Estimated weight.	No. 1, Chas. Hegewald Co., New Albany, Ind.		No. 2, American Car & Foundry Co., Jeffersonville, Ind.	
			Price for item.	Total for lot.	Price for item.	Total for lot.
Lot A. Wicket irons:						
Item 1.....	Structural steel.....	<i>Pounds.</i> 252,232	\$17,659	-----	\$16,051.19	-----
Item 2.....	Steel forgings.....	33,151	3,299	-----	4,249.67	-----
Item 3.....	Chain.....	13,031	3,249	-----	6,640.18	-----
Item 4.....	Cast steel.....	68,624	16,490	-----	15,267.15	-----
				\$40,697		\$42,208.19
Lot B. Horses and props:						
Item 1.....	Structural steel.....	130,823	-----	-----	14,910.89	-----
Item 2.....	Steel forgings.....	82,042	-----	-----	16,696.57	31,607.46
Total, lots A and B.						73,815.65

Item No.	No. 3, American Bridge Co., Union Trust Building, Cincinnati, Ohio.		No. 4, Penn Bridge Co., Beaver Falls, Pa.		No. 5, Steacy-Schmidt Manufacturing Co., York, Pa.		No. 6, W. F. Klemp, Chicago, Ill.	
	Price for item.	Total for lot.	Price for item.	Total for lot.	Price for item.	Total for lot.	Price for item.	Total for lot.
Lot A. Wicket irons:								
Item 1.....	\$13,700	-----	\$15,860	-----	\$19,100	-----	\$22,447	-----
Item 2.....	3,440	-----	3,898	-----	5,100	-----	3,808	-----
Item 3.....	8,660	-----	7,745	-----	5,710	-----	5,646	-----
Item 4.....	6,870	-----	14,575	-----	14,450	-----	12,272	-----
		\$32,670		\$42,078		\$44,360		\$44,173
Lot B. Horses and props:								
Item 1.....	-----	-----	12,783	-----	-----	-----	15,910	-----
Item 2.....	-----	-----	12,296	25,079	33,500	33,500	26,170	42,080
Total, lots A and B.				67,157		77,860		86,253

Abstract of proposals for furnishing and delivering and erecting bear-trap leaves for Dam No. 43, Ohio River, received in response to advertisement and specifications, opened at United States Engineer Office, Louisville, Ky., Mar. 25, 1918.

[Estimated weight of material, 310,670 pounds.]

No.	Name and address of bidder.	Price bid.
1	Whitehead & Kales Iron Works, Detroit, Mich.....	\$38,645
2	Independent Bridge Co., Pittsburgh, Pa.....	35,740
3	Penn Bridge Co., Beaver Falls, Pa.....	33,566

CINCINNATI, OHIO, SECOND DISTRICT.

[Mr. B. F. Thomas, district engineer.]

RIVERS AND HARBORS.

Abstract of proposals for repairing snag boat "Kentucky" received in response to circular advertisement dated Oct. 8, 1917, and opened Nov. 8, 1917, by Lieut. Col. W. P. Stoney, Corps of Engineers, at Cincinnati, Ohio (second district).

[Appropriation: Operating and care of canals and other works of navigation: Indefinite (Kentucky River.)]

Items.	1. Chas. Barnes Co., Cincinnati, Ohio.		2. Chas. Hege-wald Co., New Albany, Ind.	
	Unit.	Total.	Unit.	Total.
Labor and material for wheel, lump sum		\$1,950.06		\$3,030.00
Labor and material for engine, lump sum .....					1,350.00
Additional material, if required:				
Rough iron castings..... per pound.....	\$0.07		\$0.06	
Rough steel castings..... do.....	.16		.25	
Rough brass castings..... do.....	.45		1.00	
Rough forgings..... do.....	.18		.20	
Yellow-pine timber..... per M feet b. m.....	.80		¹ 100.00	
Douglas fir timber..... do.....	.90		¹ 120.00	
Additional labor, if required:				
Carpenter, including use of tools..... per day of 8 hours.....	6.00		8.00	
Carpenter helpers, including use of tools..... do.....	3.50		6.00	
Machinists, including use of tools..... do.....	7.00		8.00	
Machinist helpers..... do.....	3.50		6.00	
Blacksmiths, including use of tools..... do.....	7.00		12.00	
Blacksmith helpers, including use of tools..... do.....	3.50		10.00	
Laborers, including use of tools..... do.....	3.00		5.00	

¹ Per 100 feet.

Award recommended to bid No. 1.

DULUTH (MINN.) DISTRICT.

[Mr. Clarence Coleman, district engineer.]

RIVERS AND HARBORS.

[Grand Marias, Marquette, Marquette Bay and Ontonagon Harbors, etc., Mich., Minn., and Wis. For Keweenaw Waterway, Mich. (act of Aug. 8, 1917.)]

Abstract of bids for furnishing and placing stone riprap along the lake face and over the top of west breakwater, upper entrance, Keweenaw Waterway, Mich., in response to public notice, dated Apr. 1, 1918, and opened at Duluth, Minn., Apr. 30, 1918, by Clarence Coleman, district engineer.

Name and address of bidder.	Removing old super-structure and re-arranging rock therein.		Stone in place.		Total.
	Per linear foot.	\$30 linear feet.	Per ton of 2,000 pounds.	25,979 tons.	
1. Great Lakes Dredge & Dock Co., Duluth, Minn.....	\$10.00	\$8,300.00	\$4.85	\$125,998.15	\$134,298.15

GRAND RAPIDS (MICH.) DISTRICT.

[Officer: Col. F. W. Altstaetter, Corps of Engineers.]

RIVERS AND HARBORS.

Abstract of bids: Harbor at St. Joseph, Mich., for repairing pile substructure and constructing concrete superstructure on the north revetment at St. Joseph Harbor, Mich., received and opened Sept. 15, 1917, in accordance with advertisement, by Lieut. Col. F. W. Altstaetter, Corps of Engineers.

Articles.	1. Ira J. Lyons, St. Joseph, Mich. ¹	2. Robert Love & Son, Mus- kegon, Mich.
Cutting off to grade tops of 45 oak piles now in place:		
Per pile.....	\$1.00	\$1.00
45 piles.....	45.00	45.00
Cutting down and removing old work as it now stands:		
Per linear feet.....	8.00	7.00
672.5 linear feet.....	5,380.00	4,707.50
Framing and placing fir timber furnished by United States:		
Per M feet b. m.....	35.00	50.00
20,902 feet b. m.....	731.57	1,045.10
Placing fir planks for pile caps furnished by United States:		
Per M feet b. m.....	35.00	50.00
3,986 feet b. m.....	139.51	199.30
To furnish the following material and to secure it in the work:		
Oak piles—		
Per linear feet.....	.50	.50
2,468 linear feet.....	1,234.00	1,234.00
Oak timber—		
Per M feet b. m.....	80.00	100.00
7,902 feet b. m.....	632.16	790.20
Screw bolts—		
Per pound.....	.12	.10
7,840 pounds.....	940.80	784.00
Carriage bolts—		
Per pound.....	.12	.10
300 pounds.....	36.00	30.00
Tie rods—		
Per pound.....	.12	.10
5,624 pounds.....	674.88	562.40
Spikes—		
Per pound.....	.10	.10
53 pounds.....	5.30	5.30
Reinforcing rods—		
Per pound.....	.08	.10
27,230 pounds.....	2,178.40	2,723.00
Built-in-place concrete (including blocks)—		
Per cubic yard.....	14.00	20.00
783 cubic yards.....	10,962.00	15,660.00
Concrete deck slabs—		
Per cubic yard.....	15.00	20.00
69 cubic yards.....	1,035.00	1,380.00
Filling stone—		
10 to 200 pounds (per ton).....	2.00	3.50
1,000 tons.....	2,000.00	3,500.00
Total.....	25,994.62	32,665.80

¹ Contract entered into Sept. 25, 1917.

Abstract of bids: Harbors at St. Joseph, Grand Haven, Muskegon, Charlevoix, and Petoskey, Mich., for furnishing, delivering, and placing about 10,000 tons of riprap and about 2,200 tons of stone filling around and in the piers, received and opened Apr. 12, 1918, by Col. F. W. Altstaetter, Corps of Engineers.

Articles.	1. Sturgeon Bay Stone Co., Sawyer Wis. ¹	2. Great Lakes Dredge & Dock Co., Chicago, Ill. ²	3. Thomas L. Durocher, Sault Ste. Marie, Mich.
Riprap stone in place (500 pounds to 3 tons):			
Grand Haven Harbor, Mich.—			
Per ton.....	\$4.00	\$4.90	\$5.10
2,500 tons.....	10,000.00	12,250.00	12,750.00
Muskegon Harbor, Mich.—			
Per ton.....	4.00	4.90	5.10
5,100 tons.....	20,400.00	24,990.00	26,010.00
Charlevoix Harbor, Mich.—			
Per ton.....	4.00		4.20
1,000 tons.....	4,000.00		4,200.00
Petoskey, Harbor, Mich.—			
Per ton.....	4.00		4.20
1,400 tons.....	5,600.00		5,880.00
Total for riprap.....	40,000.00	37,240.00	48,840.00
Stone filling in place (50 to 200 pounds):			
St. Joseph Harbor, Mich.—			
Per ton.....		3.95	
2,000 tons.....		7,900.00	
Grand Haven Harbor, Mich.—			
Per ton ³	3.75	4.90	5.00
200 tons.....	750.00	980.00	1,000.00
Total for stone filling.....	750.00	8,880.00	1,000.00
Grand total.....	40,750.00	46,120.00	49,840.00

¹ Contract entered into May 10, 1918, for 2,500, 3,500, 625 and 875 tons of riprap at Grand Haven, Muskegon, Charlevoix, and Petoskey, respectively. No evidence of authority for signature to proposal furnished. Officers of the company signed their own guaranty.

² Contract entered into May 10, 1918, for 2,000 tons of stone filling at St. Joseph.

³ No bid accepted for stone filling at Grand Haven.

DETROIT (MICH.) DISTRICT.

[Officer: Col. F. W. Altstaetter, Corps of Engineers.]

RIVERS AND HARBORS.

Abstract of proposals for back filling walls of Fourth Lock, St. Marys Falls Canal, Mich., received in response to advertisement and publicly opened Sept. 4, 1917, by Lieut. Col. F. W. Altstaetter, Corps of Engineers, Detroit, Mich.

[Appropriation: St. Marys River, Mich., Fourth Lock.]

No.	Name and address of bidder.	Estimated quantity of material.	Unit price.	Total.
1	Oscar Daniels Co., New York, N. Y. ¹	Cubic yards.		
2	Chicago Foundation Co., Chicago, Ill.....	177,000	\$0.54	\$95,580
3	Great Lakes Dredge & Dock Co., Chicago, Ill.....		.62½	110,625
			.70	123,900

¹ Contract entered into Oct. 10, 1917.

Abstract of proposals for repairing the wooden pile revetment of the East Dike at St. Clair Flats Canal, Mich., received in response to advertisement and publicly opened Sept. 4, 1917, by Col. F. W. Altstaetter, Corps of Engineers, Detroit, Mich.

[Appropriation: Operating and care of canals, etc., St. Clair Flats Canal.]

Material.	Quantity.	Great Lakes Dredge and Dock Co., Chicago, Ill.		Muir-O'Sullivan Dredge & Dock Co., Port Huron, Mich.	
		Unit price.	Total.	Unit price.	Total.
Round piles.....linear feet..	1,530	\$0.60	\$918.00	\$0.69	\$1,055.70
Pine timber.....feet b. m.	58,400	100.00	5,840.00	102.82	6,004.69
White-oak timber.....do.	1,760	120.00	211.20	102.82	180.96
Tie rods, etc.....pounds.	47,448	.13	6,168.24	.19	9,015.12
Turnbuckles, etc.....do.	2,652	.13	344.76	.22	583.44
Bolts, machine, etc.....do.	790	.13	102.70	.12	94.80
Boat spikes.....do.	800	.13	104.00	.085	68.00
Back filling.....cubic yards.	2,000	.90	1,800.00	.61	1,220.00
Total.....			15,488.90		18,222.71

All bids rejected.

Abstract of proposals for construction of timber-crib-concrete piers and excavation of channel, east approach for Fourth Lock, St. Marys Falls Canal, Mich., received in response to advertisement and publicly opened Nov. 8, 1917, by Col. F. W. Altstaetter, Corps of Engineers, Detroit, Mich.

[Appropriation: St. Marys River, Mich., Fourth Lock.]

	Estimated quantities, cubic yards.	Great Lakes Dredge & Dock Co., ¹ Chicago, Ill.		Greiling Bros. Co., Green Bay, Wis.	
		Unit price.	Total.	Unit price.	Total.
Excavation:					
Class A.....	93,000	\$0.80	\$74,400	\$0.90	\$83,700
Class B.....	27,000	3.95	106,650	4.00	108,000
Class C.....	11,000	1.00	11,000	1.15	12,650
Foundation filling.....	1,000	1.00	1,000	1.50	1,500
Crib framing and placing cribs.....	² 108,000	.15	16,200	.20	21,600
Crib filling.....	13,000	.35	4,550	.75	9,750
Back filling.....	25,000	.40	10,000	.75	18,750
Concrete, exclusive of cement.....	2,000	6.00	12,000	6.75	13,500
Cement, furnishing and delivering.....	³ 2,500	2.50	6,250	2.50	6,250
Total.....			242,050		275,700

¹Contract entered into Dec. 10, 1917.

²Cubic feet.

³Barrels.

Abstract of proposals for hire of dredging plant and derrick boat in St. Marys River, Mich., received in response to advertisement by circular letter dated July 3, 1917, and publicly opened at Sault Ste. Marie, Mich., July 9, 1917, by Col. F. W. Altstaetter, Corps of Engineers.

[Appropriation: Maintenance and improvement of existing river and harbor works, ship channel connecting Great Lakes.]

No.	Name and address of bidder.	Dredge or derrick.	Size of dipper.	Tug.	Stated capacity per hour.		Price per hour.
					Hard digging.	Medium digging.	
1	Duluth-Superior Dredging Co., Duluth, Minn.	Old Hickory	Cu. yds. 10	.....	50	150	\$70
2	Do	Lincoln	6	.....	30	60	42
	Great Lakes Dredge & Dock Co., Sault Ste. Marie, Mich. ¹	No. 9	6-10	Jas. Edward	50	300	50
	Do	Majestic	6-9	.....do	40	250	40
	Do	L. S. 3	3-4	F. A. Lee	35	210	35
	Do	Derrick 4		.....			10

¹ Emergency contract entered into Sept. 13, 1917.

Abstract of proposals for hire of dredging plant and derrick boat in St. Marys River, Mich., received in response to advertisement, by poster and circular letter dated Mar. 18, 1918, and publicly opened at Detroit, Mich., Apr. 3, 1918, by Col. F. W. Altstaetter, Corps of Engineers.

[Appropriation: Maintenance and improvement of existing river and harbor works (ship channel connecting waters of the Great Lakes) act of Mar. 4, 1915.]

No.	Name and address of bidder.	Dredge and derrick boat.	Price per hour.
1	Great Lakes Dredge & Dock Co., Chicago, Ill. ¹	Majestic	\$45.00
	Do.....	No. 24	12.75

¹ Emergency contract entered into Apr. 12, 1918.

Dynamite, 30 cents per pound.

Abstract of proposals for dredging Alpena Harbor, Mich., received in response to advertisement and opened Apr. 18, 1918, by Col. F. W. Altstaetter, Corps of Engineers, Detroit, Mich.

[Appropriations: Emergencies in river and harbor works—Alpena Harbor, Mich.—Harbor at Alpena, Mich.—Harbors at Mackinac, Cheboygan, Rogers City, etc.—Alpena Harbor.]

No.	Name and address of bidder.	Per cubic yard, scow measurement.
1	Muir-O'Sullivan Dredge & Dock Co., Port Huron, Mich.....	Cents. 39½
2	Great Lakes Dredge & Dock Co., Detroit, Mich.....	49

Bids rejected.

WRECKS.

Abstract of proposals for removing the wreck of schooner "Charles Chambers" from the Black River at Port Huron, Mich., received in response to poster and circular letter advertisement and publicly opened Aug. 21, 1917, by Col. F. W. Altstaetter, Corps of Engineers, Detroit, Mich.

[Appropriation: Removing sunken vessels, etc., wreck of schooner *Charles Chambers*.]

No.	Name and address of bidder.	Amount.	Remarks.
1	Thompson Tug Co., Port Huron, Mich.....	\$350	Emergency contract entered into Sept. 6, 1917.

BUFFALO (N. Y.) DISTRICT.

[Officer: Col. J. G. Warren, Corps of Engineers.]

RIVERS AND HARBORS.

Abstract of proposals for construction of office-storehouse building and six operating houses at Black Rock Lock, and storehouse at Ferry Street Bridge, Buffalo, N. Y., opened under advertisement and specifications attached, May 27, 1918, at Buffalo, N. Y., by Col. J. G. Warren, Corps of Engineers.

[Improving Black Rock Channel and Tonawanda Harbor, N. Y.]

Name and address.	110 foundation piles, 40 feet long, in place, per pile.		Additional length of piles over 40 feet, per 5 feet of additional length.	Office-storehouse building.			
	Unit price.	Total price.		1. Excavation, filling, and grading.	2. Concrete retaining and building walls and foundation to first floor level.	3. Brick, concrete and cast stonework of all kinds.	4. Fire-proofing, floor slabs, roof arches, partitions, etc.
1. Mosier & Summers (Inc.), Buffalo, N. Y.....	\$30.00	\$3,300.00	\$12.00	\$4,000.00	\$12,000.00	\$14,000.00	\$9,000.00
2. B. I. Crooker, Buffalo, N. Y.	18.40	2,024.00	7.50	3,248.00	17,500.00	9,580.00	11,130.00
3. Linwood Construction Co. (Inc.), Buffalo, N. Y.....	21.50	2,365.00	6.75	.....	.....	.....	.....
4. John W. Cowper Co. (Inc.), Buffalo, N. Y.....	21.20	2,332.00	3.80	3,963.00	7,429.00	11,297.00	14,060.00
5. C. H. Everitt, Buffalo, N. Y.	21.00	2,310.00	6.00	5,500.00	6,342.00	13,000.00	11,510.00
6. H. F. Friestedt Co., Chicago, Ill.....	18.50	2,035.60	4.00	9,621.70	12,470.50	10,512.60	14,590.00

Name and address.	Office-storehouse building.						
	5. Roofing and sheet-metal work.	6. Iron and steel and miscellaneous metal work.	7. Furring, lathing, and plastering.	8. Cement, composition, and tile floors.	6. Marble and slate.	10. Carpentry work, doors, wooden windows, sash, floors, etc.	11. Glazing, painting.
1. Mosier & Summers (Inc.), Buffalo, N. Y.....	\$1,300.00	\$1,500.00	\$2,100.00	\$2,000.00	\$600.00	\$5,000.00	\$1,300.00
2. B. I. Crooker, Buffalo, N. Y.....	831.00	1,302.00	1,530.00	1,186.00	532.00	5,540.00	1,195.00
3. Linwood Construction Co. (Inc.), Buffalo, N. Y.....	.....	.....	.....	.....	.....	.....	.....
4. John W. Cowper Co. (Inc.), Buffalo, N. Y.....	997.00	3,280.00	2,262.00	3,100.00	.....	4,888.00	1,541.00
5. C. H. Everitt, Buffalo, N. Y.	1,049.00	3,300.00	1,900.00	1,900.00	1,600.00	3,400.00	1,300.00
6. H. F. Friestedt Co., Chicago, Ill.....	891.00	2,684.00	1,493.80	990.00	529.10	7,700.00	1,254.00

Abstract of proposals for construction of office-storehouse building and six operating houses at Black Rock Lock, and storehouse at Ferry Street Bridge, Buffalo, N. Y., opened under advertisement and specifications attached, May 27, 1918, Buffalo, N. Y., by Col. J. G. Warren, Corps of Engineers—Continued.

Name and address.	Office-storehouse building.						Total for office storehouse.
	12. Hardware.	13. Plumbing and gas fitting, including fixtures.	14. Water-supply main (office-storehouse).	15. Heating apparatus, complete, including pump well vent system.	16. Electrical work, including fixtures and telephones.	17. Elevator.	
1. Mosier & Summers (Inc.), Buffalo, N. Y.....	\$3,000.00	\$6,700.00	\$1,700.00	\$5,000.00	\$5,000.00	\$4,000.00	\$78,200.00
2. B. I. Crooker, Buffalo, N. Y.....	2,295.00	5,341.00	1,673.00	3,376.00	4,200.00	3,300.00	73,879.00
3. Linwood Construction Co. (Inc.), Buffalo, N. Y.....							76,100.00
4. John W. Cowper Co. (Inc.), Buffalo, N. Y.....	2,646.00	8,417.00		4,910.00	5,040.00	3,960.00	77,880.00
5. C. H. Everitt, Buffalo, N. Y.....	2,400.00	5,200.00	1,800.00	4,000.00	4,000.00	3,700.00	71,301.00
6. H. F. Friestedt Co., Chicago, Ill.....	1,980.00	5,775.00	1,705.00	4,501.20	4,581.50	3,660.00	84,939.40

Name and address.	Two operating houses, A and B.		Three operating houses, C, D, and F.		One operating house, E.	One storehouse at Ferry Street, complete, including foundation and installation of heating in present bridge-operator's house.	Grand total for all work specified.
	Each.	Total.	Each.	Total.			
1. Mosier & Summers (Inc.), Buffalo, N. Y.....	\$14,000.00	\$28,000.00	\$7,000.00	\$21,000.00	\$20,000.00	\$6,500.00	\$157,000.00
2. B. I. Crooker, Buffalo, N. Y.....	11,300.00	22,600.00	5,800.00	17,400.00	15,700.00	5,200.00	136,803.00
3. Linwood Construction Co. (Inc.), Buffalo, N. Y.....	15,185.00	30,370.00	9,172.00	27,516.00	19,960.00	5,120.00	161,431.00
4. John W. Cowper Co. (Inc.), Buffalo, N. Y.....	11,940.00	23,880.00	6,720.00	20,160.00	14,870.00	5,550.00	144,672.00
5. C. H. Everitt, Buffalo, N. Y.....	13,828.00	27,656.00	8,564.00	25,692.00	18,785.00	4,781.00	150,525.00
6. H. F. Friestedt Co., Chicago, Ill.....	14,464.30	28,928.60	7,915.35	23,746.05	17,322.80	5,408.35	162,380.20

All proposals rejected as excessive.

LOS ANGELES, (CAL.), DISTRICT.

[Officer: Capt. Chas. T. Leeds, U. S. Army, retired.]

FORTIFICATIONS.

Abstract of proposals for fill, including riprap protection therefor, at San Pedro, Cal., opened at Los Angeles, Cal., at 11 a. m., Aug. 31, 1917, by Capt. Chas. T. Leeds, U. S. Army, retired.

[Appropriation: "Sites for fortifications and seacoast defense."]

Name and address of bidder.	Price per cubic yard.	For filling 120,000 cubic yards.
1. San Francisco Bridge Co., San Francisco, Cal.....	1 \$0.97	\$116,400.00
2. Russell-Greene-Foell Co., Los Angeles, Cal.....	.82	98,400.00
3. Standard American Dredging Co., Los Angeles, Cal.....	2.646 (³)	77,520.00

¹ Certified check furnished in place of guaranty.² Alternate bid with proviso that 15,000 cubic yards for earth bulkhead be taken from roadway bluff on Government reservation.³ At cost plus 17½ per cent. No guaranty accompanying bid.

RIVERS AND HARBORS.

Abstract of proposals for dredging at San Diego Harbor, Cal., opened at Los Angeles, Cal., at 11 a. m., Nov. 3, 1917, by Capt. Chas. T. Leeds, U. S. Army, retired.

[Appropriation, "Harbor at San Diego, Cal."]

Name and address of bidder.	Dredging middle ground channel only.		Dredging middle ground channel if awarded dredging of both middle ground and areas A and C.		Dredging areas A and C only, depositing material as per plan 2.		Dredging areas A and C if awarded dredging of both middle ground and areas A and C, depositing material as per plan 2.		Dredging areas A and C in case full amount of 1,384,000 cubic yards is dredged, depositing material as per plan 2.		Total cost of dredging middle ground and areas A and C.
	Price per cubic yard.	Dredging 250,000 cubic yards.	Price per cubic yard.	Dredging 250,000 cubic yards.	Price per cubic yard.	Dredging 1,384,000 cubic yards.	Price per cubic yard.	Dredging 1,384,000 cubic yards.	Price per cubic yard.	Total.	
1. San Francisco Bridge Co., San Francisco, Cal. ¹	Cents 38	\$95,000	Cents. 34	\$85,000	Cents. 43	\$595,120	Cents. 43	\$595,120	Cents. 31	\$429,040	\$690,120
2. Standard American Dredging Co., Los Angeles, Cal. ².....	.....	.....	34	85,000	.....	.....	.....	.....	.....	.....	680,120
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	514,040

¹ Certified check for \$71,000 submitted in place of guaranty. Bid based on dredging the different areas consecutively or alternately, but not simultaneously, on starting construction of bulkheads and trestles within 2 months, and on dredging within 4 months, and continuing average output of 75 per cent or more of the specified requirement.

² Submits informal proposal to rent 22-inch suction dredge at \$790 per day plus \$0.06 bonus for all material dredged in excess of 2,000 cubic yards per day, figured on a monthly basis and boosters 2,500 feet apart; boosters with pumps at \$250 per day, and 6-yard strike capacity clam-shell dredge at \$225 per day; and to superintend construction of bulkhead and cribbing lines, all levee and shore work, lay all pipe and look after pipe line on basis of cost, plus 15 per cent. No guaranty accompanying proposal.

Abstract of proposals for dredging at San Diego Harbor, Cal., opened at Los Angeles, Cal., at 11 a. m., Mar. 21, 1918, by Capt. Chas. T. Leeds, United States Army, retired.

[Appropriation: "Harbor at San Diego, Cal."]

Name and address of bidder.	Dredging middle ground channel only.		Dredging middle ground channel if awarded dredging of both middle ground and areas A and C.		Dredging areas A and C only.	
	Price per cubic yard.	Dredging 250,000 cubic yards.	Price per cubic yard.	Dredging 250,000 cubic yards.	Price per cubic yard.	Dredging 1,384,000 cubic yards.
1. San Francisco Bridge Co., San Francisco, Cal. ¹	\$0. 294	\$73, 500	\$0. 294	\$73, 500	\$0. 344	\$476, 096
2. Fred C. Franks Contracting Co., San Francisco, Cal. ².....	. 3222	80, 550	. 316	79, 000	. 41	567, 440
3. Duluth-Superior Dredging Co., Duluth, Minn.....	.....	.....	.....	.....	. 50	692, 000
4. A. W. Tweeden, Tacoma, Wash. ³.....	.....	.....	. 32	80, 000	.....	.....

Name and address of bidder.	Dredging areas A and C if awarded dredging of both middle ground and areas A and C.		Dredging middle ground; United States to provide bulkheads.		Dredging areas A and C; United States to provide bulkheads.		Total cost of dredging middle ground and areas A and C.
	Price per cubic yard.	Dredging 1,384,000 cubic yards.	Price per cubic yard.	Dredging 250,000 cubic yards.	Price per cubic yard.	Dredging 1,384,000 cubic yards.	
1. San Francisco Bridge Co., San Francisco, Cal. ¹	\$0. 344	\$476, 096	.....	.....	.....	.....	\$549, 596
2. Fred C. Franks Contracting Co., San Francisco, Cal. ².....	. 40	553, 600	.....	.....	.....	.....	647, 990
3. Duluth-Superior Dredging Co., Duluth, Minn.....	.....	.....	\$0. 3073	\$76, 825	\$0. 35	\$484, 400	632, 600
4. A. W. Tweeden, Tacoma, Wash. ³.....	. 24	332, 160	.....	.....	.....	.....	561, 225
							412, 160

¹ Proposal based upon commencing work of dredging immediately after completion of dredging at Marine Base at San Diego for Navy Department and to prosecute the work thereafter at a rate over 50 per cent in excess of requirements specified in specifications.

² Proposal made on basis that the bidder can purchase the United States dredge San Pedro with all her equipment and belongings for \$97,000.

³ Guarantors did not justify in the sum of 20 per cent of the amount of the bid. The certificates of the judge or clerk of a court as to pecuniary worth of guarantors not given. Proposes to build 22-inch pump hydraulic dredge with capacity of 80,000 cubic yards per month.

Work under contract to begin in five months instead of four months as provided in paragraph 15 of specifications.

SAN FRANCISCO (CAL.) FIRST DISTRICT.

[Officer: Col. W. H. Heuer, U. S. Army, retired.]

RIVERS AND HARBORS.

Abstract of bids for dredging in Oakland Harbor, Cal., opened at San Francisco, Cal., Dec. 19, 1917, by Col. W. H. Heuer, U. S. Army, retired.

Name and address of bidders.	Price per cubic yard.	Total for 243,440 cubic yards.
San Francisco Bridge Co., San Francisco, Cal.....	Cents. 18. 40	\$44, 792. 96
American Dredging Co., San Francisco, Cal.....	16. 87	41, 068. 33

Abstract of bids for dredging in Oakland Harbor, Cal., opened at San Francisco, Cal., Jan. 21, 1918, by Col. W. H. Heuer, U. S. Army, retired.

Name and address of bidders.	Price per cubic yard.	Total for 402,600 cubic yards.
	<i>Cents.</i>	
American Dredging Co., San Francisco, Cal.	29.40	\$118,364.40
San Francisco Bridge Co., San Francisco, Cal.	32.00	128,832.00

Abstract of bids for dredging in Richmond Harbor, Cal., opened at San Francisco, Cal., May 4, 1918, by Col. W. H. Heuer, U. S. Army, retired.

Name and address of bidders.	Price per cubic yard.	Total for 2,945,700 cubic yards.
	<i>Cents.</i>	
San Francisco Bridge Co., San Francisco, Cal.	10.20	\$298,661.40
American Dredging Co., San Francisco, Cal.	9.83	201,092.31
Standard American Dredging Co., San Francisco, Cal. ¹		

¹ Informal proposal; 3 alternatives:

1. To rent 20-inch turbine dredge (operated by steam or electricity), including 1,000 feet floating pipeline and necessary shore pipe for \$600 per day, rental to include all cost of labor and supplies on dredge; Government to pay for fuel or power and all expenses connected with building and handling of cribbing and shore line. If average output per day during any month be less or more than 7,000 cubic yards soft material or 3,000 yards of clay, daily rental to be correspondingly decreased or increased.

2. To furnish dredge Turbine with necessary floating line, shore line, and auxiliary craft for \$234 per day.

3. To furnish all labor and supplies and services of all kinds and execute the work as specified for 7½ per cent of the cost of the work done, this offer to be subject to the same bonus or forfeits as provided for under first proposition.

SAN FRANCISCO (CAL.) SECOND DISTRICT.

[Officer: Col. Chas. L. Potter, Corps of Engineers.]

FORTIFICATIONS.

Abstract of proposals for furnishing 4,450 barrels of Portland cement received in response to advertisement by poster and circular letter dated July 19, 1917, and opened July 28, 1917.

Name and address of bidders.	For 3,200 barrels to be delivered at transport wharf, San Francisco, Cal.		For 1,250 barrels to be delivered at Fort Winfield Scott, Cal.		Allowance for empty containers returned to contractor (4 sacks per barrel).	
	Per barrel.	Total.	Per barrel.	Total.	Each.	Total.
1. Pacific Portland Cement Co. (Con.), San Francisco, Cal.	\$2.35	\$7,520.00	\$2.50	\$3,125.00	\$0.07½	\$1,335.00
2. Henry Cowell Lime & Cement Co., San Francisco, Cal.	2.35	7,520.00	2.50	3,125.00	.07½	1,335.00
3. Santa Cruz Portland Cement Co., San Francisco, Cal.	2.35	7,520.00	2.50	3,125.00	.07½	1,335.00

Bid No. 1 accepted.

Abstract of proposals for furnishing and delivering 4,450 cubic yards of crushed rock, received in response to advertisement by poster and circular letter issued July 25, 1917, and opened Aug. 4, 1917.

Name and address of bidder	Price for 3,200 cubic yards delivered at Fort Barry.		Price for 1,250 cubic yards delivered at Fort Scott.	
	Per cubic yard.	Total.	Per cubic yard.	Total.
1. Healy-Tibbitts Construction Co., San Francisco, Cal.....	\$3. 23	\$10, 336. 00	\$1. 70	\$2, 125. 00
2. Blake Bros. Co., San Francisco, Cal.....	3. 00	9, 600. 00	1. 675	2, 093. 75

Above prices considered unreasonable and bids rejected.
 Arrangements made for procuring the material under 2 separate contracts, on informal proposals received in response to oral inquiry, viz:
 1 for furnishing and delivering 3,200 cubic yards crushed rock at Fort Baker wharf for the price of \$1.40 per cubic yard, and 1,250 cubic yards at Fort Scott for \$1.50 per cubic yard.
 1 for hauling 3,200 cubic yards crushed rock from Fort Baker wharf to Fort Barry, at \$1.20 per cubic yard.

Abstract of proposals for hiring a steam shovel to the United States, for use in connection with battery construction at Fort Barry, Cal., received in response to advertisement by poster and circular letter issued Oct. 29, 1917, and opened Nov. 3, 1917.

Name and address of bidder.	Rental price without crew.	Rental price with crew.	Kind of shovel.
1. Palmer & McBryde, San Francisco, Cal.	\$12 per day, Sundays and holidays included; after 42 days to be reduced to \$11 per day.	No bid.....	Bucyrus.
2. Western Contracting Co., San Francisco, Cal.	¹ \$350 per month.....	² \$910 per month..	Keystone.

¹ Fuel and operating supplies to be furnished by United States.
² Fuel and operating supplies to be furnished by bidder.

Bid No. 2 accepted.
 Bid No. 1 rejected for following reasons: Bid not in accordance with specifications and contains conditions impossible of acceptance; shovel offered consumes larger amount of fuel than Keystone; owing to its weight, special permits would have been necessary for its passage over city streets, and assistance of Government motor truck in transporting it from Sausalito to Fort Barry was demanded; besides, the shovel required preliminary repairs that would have delayed commencement of work.

Abstract of proposals for hire of road roller, for use on road construction at Fort Funston, Cal., received in response to advertisement by poster and circular letter dated May 22, 1918, and opened May 28, 1918.

Name and address of bidder.	Rental price per day without engineer; fuel and operating supplies to be furnished by United States.	Rental price per day, including services of 1 engineman and all operating supplies.	Additional charge for transporting roller to and from site of the work.	Kind of roller.
1. Blanchard-Brown Co., San Francisco, Cal.	\$9. 75	\$22. 25	\$30. 00	12-ton Kelly-Springfield steam roller.
2. Western Contracting Co., San Francisco, Cal.	10. 00	22. 50	40. 00	Austin Western, single cycle, 3-wheel, 2 years old, first-class condition.
3. City Street Improvement Co., San Francisco, Cal.	10. 00	.....	50. 00	12-ton Buffalo Pitts steam roller.
4. F. R. Ritchie, San Francisco, Cal.....	20. 00	35. 00	30. 00	Austin Western, 12-ton, 3-wheel, gasoline.

Bid No. 1 accepted, \$22.25 per day.

SAN FRANCISCO (CAL.), THIRD DISTRICT.

[Officer: Col. L. H. Rand, Corps of Engineers.]

RIVERS AND HARBORS:

Abstract of proposals for hire and operation of one clamshell dredging plant, opened at 10 a. m., Aug. 2, 1917, at San Francisco, Cal., by Maj. L. H. Rand, Corps of Engineers.

Name and address of bidder.	Price bid per hour.		Plant proposed and description.	Remarks.
	(a) Actual work or time held idle less than 4 hours.	(b) Towing or time held idle in excess of 4 hours.		
1. Union Iron Works, San Francisco, Cal.	\$1,000 per month (with reduction in rental if shut down for more than 1 week) the United States to employ crew and operate the dredge at own expense.		Dredge Buster. Length, 80 feet; width, 36 feet; depth, 7 feet 6 inches; boom, 96 feet; draft with bucket up, 4 feet 2 inches.	Informal proposal, not on proper form. Prescribed guaranty not furnished.
	\$8.00	\$6.00	Dredge Ajax. Engines, 250 horsepower; bucket, 4½ cubic yards; weighing 8½ tons; boom, 160 feet; oil barge; launch; guaranteed output of 125 cubic yards per hour.	
2. Olympian Dredging Co., San Francisco, Cal.	8.00	5.00	Dredge Neptune. Engines, 250 horsepower; bucket, 4 cubic yards; weighing 8½ tons; boom, 175 feet; oil barge; launch; guaranteed output of 130 cubic yards (120 cubic yards) per hour. ²	<p>(Same as above.)</p> <p>¹ One number of bid reads \$8 and \$5, while the other reads \$5 and \$6.</p> <p>² One number of bid reads 130 cubic yards, while other reads 120 cubic yards.</p> <p>The above discrepancies are presumably due to clerical inadvertence. The correct prices for this dredge would appear to be \$8 and \$6 per hour, as this is almost identical with the dredge Ajax above, and it has been so construed in this office.</p>
	5.00	6.00		
	8.20	6.15	Dredge Hor. Engines, 250 horsepower; bucket, 4½ cubic yards; weighing 8½ tons; boom, 160 feet; oil barge; launch; guaranteed output of 135 cubic yards per hour.	
	10.00	7.50	Dredge Trojan. Engines, 300 horsepower; bucket, 5½ cubic yards; weighing 12 tons; boom, 205 feet; oil barge; launch; guaranteed output of 165 cubic yards per hour.	
	12.00	9.50	Dredge Mars. Engines, 300 horsepower; bucket, 6½ cubic yards; weighing 17 tons; boom, 229 feet; oil barge; launch; guaranteed output of 175 cubic yards per hour.	
	12.00	9.50	Dredge Hercules. Engines, 300 horsepower; bucket, 6½ cubic yards; weighing 17 tons; boom, 229 feet; oil barge; launch; guaranteed output of 175 cubic yards per hour.	(Same as above.)

The above dredges to be operated 24 hours per day, provided qualified crews are obtainable to work three full 8-hour shifts. If unable, to be reduced to 16 hours (2 crews), or 8 hours (1 crew), as conditions demand.

Abstract of proposals for motor dredge tender "Pit," opened at 10 o'clock a. m., Aug. 10, 1917, at San Francisco, Cal., by Maj. L. H. Rand, Corps of Engineers.

Name and address of bidder.	Price bid for one vessel.		Price bid for second vessel.		Additional time required for second vessel.
	Delivered at Rio Vista, Cal.	Deduction for delivery at bidder's works.	Delivered at Rio Vista, Cal.	Deduction for delivery at bidder's works.	
ORIGINAL SPECIFICATIONS.					
1. Nunes Bros., Sacramento, Cal.	\$13,450	Nothing.	\$13,450	Nothing.	6 months
2. George W. Kneass, San Francisco, Cal. . . .	No bid.	.....	No bid.	.....
ALTERNATE BID.					
1. Nunes Bros., Sacramento, Cal.	13,050	Nothing.	13,050	Nothing.	6 months.
2. George W. Kneass, San Francisco, Cal. . . .	14,750	Nothing.	No bid.	.....

REMARKS.—No. 1: Proposal not submitted in duplicate. Authority of Manuel I. Nunes to bind Nunes Bros. not furnished. Submits sketch showing changes covered by alternate bid.

No. 2: Proposal in proper form. Submits plan and statement of proposed modifications covered by alternate bid.

Abstract of proposals for dredging point off Dos Rios Island and vicinity, near the mouth of the Sacramento River, Cal., opened at 10 a. m., Sept. 5, 1917, by Maj. L. H. Rand, Corps of Engineers.

[Appropriation: Flood-control work, Sacramento River, Cal.]

Name and address of bidder.	Price bid per cubic yard.	Total price for 4,000,000 cubic yards.	Plant proposed.
1. San Francisco Bridge Co., San Francisco, Cal.	Cents. 11.4	\$456,000	One of their steam dredges.
2. Fred C. Franks, San Francisco, Cal.	10.81	432,400	20-inch electric suction dredger, capacity 150,000 cubic yards or more per working month.

REMARKS.—No. 1: Plant has facilities for furnishing meals to United States inspectors. United States to furnish fuel oil from start to completion of job. United States to furnish engine distillate from start to completion of job. Certified check accompanied proposal. Evidence of authority of C. F. O'Neil, secretary, to bind the San Francisco Bridge Co. not furnished.

No. 2: Plant has facilities for furnishing meals to United States inspectors. United States to furnish fuel oil. United States to furnish no engine distillate. Proposal in proper form. Proposal contingent on bidder being furnished electric power and equipment, as per an existing agreement.

Abstract of proposals for dredging in Stockton Channel, Cal., opened at San Francisco, Cal., at 3 p. m., Nov. 21, 1917, by Col. L. H. Rand, Corps of Engineers.

Name and address of bidder.	Price bid.		Has plant facilities for furnishing accommodations and meals for inspectors.	Plant proposed.	
	Per cubic yard.	For 386,000 cubic yards.		Capacity per hour.	Description.
1. Fred C. Franks, San Francisco, Cal.	<i>Cents.</i> 17.89	\$69,055.40	Yes.....	<i>Cu. yds.</i> 140	Dredge San Bonito in combination with drag-line excavator.
2. San Francisco Bridge Co., San Francisco, Cal.	24	92,640.00	No.....	Over 150	One of their suction dredges.
3. American Dredging Co., San Francisco, Cal.	24	92,640.00	No: will furnish meals at regular meal hours at 50 cents each.	100-200	18-inch hydraulic dredge Yankee, clam-shell dredge Golden Gate, clam-shell dredge Uncle Sam, or other equipment.

No. 1: Bid submitted contingent upon convenient adjacent grounds upon which to deposit excavated material be furnished free of expense to bidder. Guaranty omits reference to date of bid guaranteed thereby Guaranty executed prior to bid, bearing date of Nov. 20, bid being dated Nov. 21.

No. 2: Bid contingent upon securing written consent of adjacent property owners to deposit excavated material upon private property. Party signing proposal does not indicate capacity in which to signing nor submit his authority to bind the San Francisco Bridge Co. Certified check submitted in lieu of guaranty.

No. 3: Bid contingent upon their being allowed to commence operations at either end. Guaranty indicates necessity for signature thereof by attorneys in fact. Only one signature thereto indicates signer is attorney in fact. Authority of party signing to bind American Dredging Co. not furnished.

Abstract of proposals for furnishing and delivering wooden pontoons, opened at San Francisco, Cal., at 10 a. m., Feb. 6, 1918, by Col. L. H. Rand, Corps of Engineers.

[Appropriations: Flood control, Mississippi River and Sacramento River, Cal., 1918 (Sacramento River), and funds contributed for flood control, Sacramento River, Cal. (special fund).]

Name and address of bidder.	Lot No. 1.		Lot No. 2.		Lot No. 3.		Delivery under schedules A or B.
	Price each.	Price for 16.	Price each.	Price for 2.	Price each.	Price for 2.	
1. J. H. & D. F. Madden, Sausalito, Cal.	\$820.00	\$13,120.00	\$1,230.00	\$2,460.00	\$410.00	\$820.00	B.
2. Benicia Ship Building Corporation, San Francisco, Cal.	873.31	13,972.96	930.51	1,861.02	375.73	751.46	B.
3. United States navy yard, Mare Island, Cal.	.....	14,000.00	.....	2,200.00	.....	780.00	A and B.
4. B. P. Lanteri, Pittsburg, Cal.	730.85	11,693.60	788.90	1,577.80	390.55	781.10	Not stated.

No. 1: Proposal in proper form. Guaranty refers to bid dated Feb. 5. Bid is actually dated Feb. 6.

No. 2: Proposal in proper form. Revenue stamp affixed to guaranty. Bid submitted contingent upon securing permission from U. S. Shipping Board Emergency Fleet Corporation to do work.

No. 3: Proposal not on proper form: estimate only submitted. No guaranty furnished.

No. 4: Proposal in proper form. Certified check accompanied proposal. Proposal received after time fixed for opening, but postmark indicated was in mails some time prior thereto.

Abstract of proposals for fuel oil and engine distillate opened at 10 o'clock a. m., Feb. 21, 1918, at San Francisco, Cal., by Col. L. N. Rand, Corps of Engineers.

[Appropriations: Sacramento and Feather Rivers, Cal., general improvement (Sacramento River) flood control, Mississippi River and Sacramento River, Cal., 1918 (Sacramento River); funds contributed for flood control, Sacramento, Cal. (special fund); San Joaquin River, Cal. (maintenance 9-foot channel and cut-offs).]

	Bidders.		
	No. 1, Union Oil Co. of Cali- fornia, San Francisco, Cal.	No. 2, Standard Oil Co., San Fran- cisco, Cal.	No. 3, Shell Co. of California, San Fran- cisco, Cal.
<i>Lot No. 1. Fuel oil.</i>			
Price per barrel of 42 United States gallons (not heavier than 14 gravity Baumé).			
Furnished and delivered in fuel tanks of plant engaged in Engineer Department work in the Sacramento River, near or below Rio Vista, Cal.....	(¹)	(¹)	\$1.60
Furnished and delivered f. o. b. Government-furnished transportation at—			
Shell Co. plant, at Martinez, Cal.....			1.45
Shell Co. marine service station at—			
San Francisco, Cal.....			1.45
Petaluma, Cal.....			1.60
<i>Lot No. 2. Engine distillate.</i>			
Price per gallon.			
Furnished and delivered on plant engaged in Engineer Department work from our oil-delivery boats as specified in par. 21 of attached specifications.....		\$0.105	(¹)
Furnished and delivered f. o. b. Government transportation at—			
Standard Oil Co. plant at Richmond, Cal.....		.100	
Standard Oil Co. marine service station at—			
Oakland Estuary, Cal.....		.100	
San Francisco, Cal.....		.100	
Martinez, Cal.....		.100	
Pittsburg Landing, Cal.....		.100	
Rio Vista, Cal.....		.105	
Walnut Grove, Cal.....		.105	
Sacramento, Cal.....		.105	
Knights Landing, Cal.....		.11	
Standard Oil Co. station at—			
Grimes, Cal.....		.115	
Red Bluff, Cal.....		.12	
Standard Oil Co. marine service station at—			
Jersey Island, Cal.....		.105	
Stockton, Cal.....		.105	
Princeton, Cal.....		.115	
Union Oil Co. plant at Oleum, Cal.....	\$0.10		
Union Oil Co. marine service station at—			
San Francisco, Cal.....	.10		
Antioch, Cal.....	.10		
Rio Vista, Cal.....	.105		
Sacramento, Cal.....	.105		
Stockton, Cal.....	.105		
Standard Oil Co. marine service station at Colusa, Cal.....		.115	

¹ No bid.

Bid No. 1.—This bid on their regular commercial grade No. 1 engine distillate. If delivery required in packages, deliveries must be limited to 10 drums, due to shortage of containers; 2 per cent discount for cash in 10 days. Guaranty refers to bid dated Feb. 21, 1918. Bid not dated.

Bid No. 2.—Engine distillate proposed is their regular product now currently marketing. Prices cover bulk deliveries; 2 per cent discount for payment in 10 days. Maximum amount bid on, 300,000 gallons. Consent of bidder required for excess. Bidder not liable for failure to make deliveries as stated.

Bid No. 3.—Certified check accompanied this bid. Total quantity to be delivered not to exceed 100,000 barrels, in fairly equal monthly quantity. Delivery by bidder not to be required should channel at or to place of delivery be not of sufficient depth or width to enable safe handling of barge or boat. Delivery by bidder's vessel to be in lots not less than 750 bulk barrels. Delivery into vessel supplied by United States at bidder's service wharf in lots not less than 100 bulk barrels. Delivery into tank car at bidder's shipping installation in lots not less than 150 bulk barrels.

Abstract of proposals for the hire and operation of dredging plant, opened at San Francisco, Cal., at 10 a. m., Apr. 22, 1918, by Col. L. H. Rand, Corps of Engineers.

Bidder.	Price bid per hour.		Plant proposed and description.	To be seen at—	Has plant accommodations per par. 17 of specifications.	Capacity per hour.	Remarks.
	(a) Actual work, or time held idle less than 4 hours.	(b) Towing, or time held idle in excess of 4 hours.					
1. Bethlehem Shipbuilding Corporation (Ltd.), San Francisco, Cal.	.....	.....	Dredge Buster.....	.....	.....	Cu. yds.	Informal proposal; not on regular form and not accompanied by guaranty of any sort. Proposed to rent dredge at \$1,000 per month without crew or supplies. Will operate dredge if desired, furnishing all labor and supplies; bills to be paid by United States.
2. Ajax Dredging Co., San Francisco, Cal.	\$6.00	\$4.00	Dredge Albatross; engines, 100 horsepower; bucket, 2½ cubic yards; boom, 112 feet, which can reach 78 feet; oil barge; launch.	Left bank San Joaquin River, 2 miles above Antioch, Cal.	Yes..	80	Proposal in proper form, certified check for \$5,000 accompanying. Proposal not submitted in duplicate. Proposal conditioned on material being soft enough to permit bucket to fill in usual manner; also indicates certain conditions for incorporation in contract. Authority of F. F. Cooper to bind corporation not furnished.
3. Caledonia Dredging Co., San Francisco, Cal.	7.50	4.00	Dredge Caledonia; engines, 500 horsepower; bucket, 4½ cubic yards, weighing 10 tons; boom, 150 feet, which can reach 90 feet; launch, oil barge, and row-boat.	Veale tract, near Orwood, Cal.	Yes..	(1)	Proposal in proper form; guaranty furnished by individuals but certificate by United States or local court officials as to pecuniary worth of guarantors not furnished; the proposal conditioned upon bidder being allowed to finish certain work during high water, which will probably be finished during the month of May. Authority of Edw. F. Haas to bind corporation not furnished.

¹ Not stated.

PORTLAND (OREG.) FIRST DISTRICT.

[Officer: Col. Geo. A. Zinn, Corps of Engineers.]

RIVERS AND HARBORS.

Abstract of informal proposal for alterations and repairs to U. S. dredge "Col. P. S. Michie," received in response to oral inquiry dated Apr. 4, 1918, by Col. Geo. A. Zinn, Corps of Engineers, 802 Couch Building, Portland, Oreg.

[Appropriation: Coquille, Coos, Siuslaw, and Yaquina Rivers, etc., Oreg., for "Coos Bay, Oreg."]

Item.	Helsler Machine Works (Inc.), Portland, Oreg.		Item.	Helsler Machine Works (Inc.), Portland, Oreg.	
	Designation.	Price.		Designation.	Price.
Angle smith, with tools..	On the job.	\$1.25	Machinist helper.....	On the job.	.60 and .65
Blacksmith, with helper and forge.	....do....	1.50	Pipe fitters, with tools..	....do....	.75
Boilermaker, with helper and tools.	....do....	2.25	Riggers.....	....do....	.65 to .75
Calkers, with tools.....	....do....	1.10	Painters, with tools.....	....do....	.75
Carpenters, with tools.....	....do....	1.00	Riveters, with tools.....	....do....	.75
Coppersmiths, with tools.	....do....	1.15	Rivet heaters.....	....do....	.60 and .65
Coppersmith helper.....	....do....	.80	Air hose, with operator and tools.	....do....	.75 to .85
Electricians.....	....do....	.85	Lathe work, "large"....	In contract- or's shop.	2.25
Joiners.....	....do....	1.00	Lathe work, "small"....	....do....	1.50
Laborers, "common".....	....do....	.55 and .60	Lathe work, "medium"....	....do....	2.00
Machinist, working fore- man.	....do....	1.00	Machinist, "floor work"....	....do....	1.50
Machinist, with hand tools.	....do....	.75 and .85	Machinist helper.....	....do....	1.25
			Blacksmith, with helper and tools.	....do....	2.50

The above prices are per hour for an 8-hour day. Overtime will be charged after 8 hours at the rate of time and a half for the first 5 hours and after that at rate of double time, shop only; on overtime, double time on boat.

Time required to complete contract: Not stated. (Contract specified 30 days.)

PORTLAND (OREG.), SECOND DISTRICT.

[Officer: Col. Geo. A. Zinn, Corps of Engineers.]

RIVERS AND HARBORS.

Abstract of proposals for furnishing a marine boiler for U. S. snagboat "Mathloma," opened in United States Engineer office, second district, Portland, Oreg., May 6, 1918, in response to special notification dated Apr. 4, 1918.

Proposals were invited from 33 manufacturers of boilers, through 10 district engineer offices, without advertising, after an unsuccessful attempt to secure reasonable bids by advertising in accordance with regulations.

[Appropriation: "Willamette River above Portland, etc., Oreg.; Cowlitz, Lewis, and Grays Rivers, Wash.; for Willamette River above Portland and Yamhill River, Oreg."]

Name and address of bidder.	Price bid.	F. o. b. cars.	Freight charge to Portland, Oreg. (Government rate).	Total cost to United States.
1. The Ruemmel-Dawley Manufacturing Co., St. Louis, Mo. ¹	\$7,320	St. Louis, Mo.....	\$312	\$7,632
2. Portland Boiler Works, Portland, Oreg..	12,000	Portland, Oreg.....		12,000
3. Pennsylvania Boiler Works, Erie, Pa....	7,735	Erie, Pa.....	396	8,131
4. Main Iron Works, San Francisco, Cal....	10,100	San Francisco, Cal.....	16	10,116

¹ Lowest bid; accepted.

Abstract of proposals for furnishing a marine boiler and installing it on U. S. snagboat "Mathloma," opened in United States Engineer Office, second district, Portland, Oreg., Feb. 18, 1918, in response to advertisement dated Jan. 18, 1918.

[Appropriation: Willamette River above Portland, etc., Oreg.; Cowlitz, Lewis, and Grays Rivers, Wash.) for Willamette River above Portland and Yamhill River, Oreg.]

Name and address of bidder.	Price bid.
1. Portland Boiler Works, Portland, Oreg.....	\$19,850

Rejected: Price excessive.

SEATTLE (WASH.) DISTRICT.

[Mr. W. T. Preston, District Engineer.]

RIVERS AND HARBORS.

Abstract of proposals received by W. T. Preston, assistant engineer in charge, Seattle (Wash.) district, for dredging in Lake Washington Ship Canal, opened Feb. 15, 1918.

[Appropriation: Puget Sound, Olympia, Tacoma, and Bellingham Harbors, etc., Wash.; for Lake Washington Ship Canal.]

Item.	1. Puget Sound Bridge & Dredging Co., Seattle.		2. Erickson Construction Co., Seattle.	
	Unit.	Total.	Unit.	Total.
Dredging 350,000 cubic yards.....	\$0.265	¹ \$92,750	\$0.32	\$112,000

¹ Accepted.

Abstract of proposals received by W. T. Preston, assistant engineer in charge, Seattle (Wash.) district, for construction of bank revetment and jetties, and for dredging, Nome Harbor, Alaska, opened Apr. 10, 1918.

[Appropriation: Nome Harbor and Apoon Mouth of Yukon River, Alaska; for Nome Harbor.]

Item.	1. Guinan and Ames, Selah, Wash.		2. D. H. Traphagen, Seattle, Wash.
	Unit.	Total.	
Dredging, 27,500 cubic yards.....	\$1.45	\$39,875	} All work for actual cost plus 12 per cent; Government to pay reasonable rental for all equipment from time of leaving Seattle to return, and pay insurance premiums on equipment while used.
Round or sawed piles, 9,500 linear feet.....			
Sheet piles for revetment, 22,000 linear feet.....			
Sheet piles for jetties, 41,200 linear feet.....			
Lumber, 84,000 feet b. m.....			
Iron, 55,000 pounds.....			
Concrete, 284 cubic yards.....			

Bids rejected and work postponed.

HONOLULU (HAWAII) DISTRICT.

[Officer: Lieut. Col. R. R. Raymond, Corps of Engineers.]

FORTIFICATIONS.

Abstract of proposals for furnishing crushed rock received in response to advertisement dated Nov. 20, 1917, and opened at Honolulu, Hawaii, at 11 o'clock a. m., Nov. 27, 1917, by Col. Thos. H. Rees, Corps of Engineers.

[Appropriation: Fortifications in insular possessions.]

Name and address of bidder.	Quantities bid on.	Price per cubic yard delivered at crusher bins.	Amount.	Total amount delivered at crusher bins.	Delivery.	Estimated cost per cubic yard.
1. Honolulu Construction & Draying Co. (Ltd.), Honolulu, Hawaii.	9,000 cubic yards crusher run passing 2-inch screen and retained on $\frac{1}{8}$ -inch screen.	\$1.55	\$13,950	\$13,950	As required.	None.
Do.....	4,500 cubic yards No. 2.	1.25	5,625	20,475	As required.	{ \$1.40 1.65 1.90
	4,500 cubic yards No. 3.	1.50	6,750			
	4,500 cubic yards No. 4.	1.80	8,100			
2. John H. Wilson, Honolulu, Hawaii.	9,000 cubic yards crusher run passing 2-inch screen and retained on $\frac{1}{8}$ -inch screen.	No bid.	.....	No bid.	.....	.....
Do.....	4,500 cubic yards No. 2.	1.29	5,805	21,690	120 days....	{ 1.40 1.65 1.90
	4,500 cubic yards No. 3.	1.59	7,155			
	4,500 cubic yards No. 4.	1.94	8,730			

¹ Delivery at crusher bins accepted. Evidence of authority to sign waived.

No. 1 "at crusher bins" accepted and contract entered into for—	
4,500 cubic yards No. 2 rock, at \$1.25.....	\$5,625
4,500 cubic yards No. 3 rock, at \$1.50.....	6,750
4,500 cubic yards No. 4 rock, at \$1.80.....	8,100
	20,475

RIVERS AND HARBORS.

Abstract of proposals for constructing rubble mound breakwater at Hilo, Hawaii, received in response to advertisement and opened at 11 o'clock a. m., Mar. 1, 1918, at Honolulu, Hawaii, by Lieut. Col. R. R. Raymond, Corps of Engineers.

[Appropriation: Harbor at Hilo, Hawaii.]

Name and address of bidder.	Price per ton in place (2,000 lbs.).	Quantity that can be placed with funds available.	Total.
1. Hawaiian Dredging Co. (Ltd.), Honolulu, Hawaii.....	\$2.47	Tons. 60,728.7	\$150,000

Sample of rock furnished. Evidence of authority to sign waived. Price per ton bid based on free use of quarry owned by Territory of Hawaii.
Only one bid received. Acceptance recommended.

PORTO RICO DISTRICT.

[Officer: Brig. Gen. Wm. T. Rossell, U. S. Army, retired.]

RIVERS AND HARBORS.

Abstract of bids for dredging in San Juan Harbor, Porto Rico, and filling of adjacent swamp lands, received in response to advertisement and opened at 12 m. June 29, 1918, in room 1131, South Ferry Building, No. 44 Whitehall Street, New York City, by the district engineer.

Name and address of bidder.	Price bid per cubic yard, place measurement.
1. United Dredging Co., New York, N. Y.	Informal bid. \$0.69
2. M. J. Dady Engineering & Contracting Co., Brooklyn, N. Y.	

Bids rejected.

SECRETARY'S OFFICE, ST. LOUIS, MO.

[Officer: Maj. Clarke S. Smith, Corps of Engineers.]

Abstract of proposals for levee work in the Muscatine Island Levee District, Iowa, received in response to advertisement of Maj. Clarke S. Smith, Corps of Engineers, and opened July 2, 1917.

[Appropriation for Mississippi River.]

Bidder.	Stations 142+50 to 328, reconstruction 190,000 cubic yards.		Remarks.
	Price per cubic yard.	Total cost.	
1. S. R. H. Robinson & Son Contracting Co., St. Louis, Mo.	¹ 15.95 Cents.	\$30,305	If the item of fencing called for in the specifications is eliminated, the work will be undertaken at 14½ cents per per cubic yard.
2. R. H. & G. A. McWilliams, Chicago, Ill..	22.4	42,560	

¹Accepted.

Abstract of proposals for levee work in Sny Island Levee Drainage District, Ill., received in response to advertisement of Lieut. Col. Clarke S. Smith, Corps of Engineers, and opened July 21, 1917.

[Appropriation for Mississippi River.]

Bidder.	Price per cubic yard.	Total cost.
1. S. R. H. Robinson & Son Contracting Co., St. Louis, Mo.: Item No. 1.—Stations 222-234, 241-242, 262-273, 277,-370. River side levee enlargement (59,100 cubic yards).....	Cents. 58	\$34,278
Item No. 2.—Stations 370-740. Levee enlargement or reconstruction (200,000 cubic yards).....	58	116,000
2. R. H. & G. A. McWilliams, 322 South Michigan Avenue, Chicago, Ill.: Item No. 2.—Stations 370-740. Levee enlargement or reconstruction (200,000 cubic yards).....	50	100,000

No. 1: Proposal is conditional upon receiving award for both items; that the Government will furnish adequate borrow pits adaptable for steam-shovel work on each mile section with the exception of mile 11, so that contractor will not be required to haul material for greater distance than 1 mile along the line of proposed levee; that contractor be permitted to lay track along the top of present levee and raise same to the established new grade, widening out from grade and sloping back to base with teams. If requirement for fencing is eliminated from the work, bidder will undertake it under the conditions mentioned at 54 cents per cubic yard for both items.

No. 2: Bidder submits proposal conditional that work may be done with a floating dredge which he proposes to reconstruct especially for the work, the hull being 45 feet wide over the spud casing and with about 6 feet draft; that the Government will allow excavation of a continuous channel in the borrow pit sufficient to float the dredge; that if sufficient material can not be procured within the reach of the working radius of the dredge at the stipulated 1 to 50 slope of the borrow pit, permission will be given to go to a sufficient depth at the outer side of the borrow pit to secure the necessary materials; that traverse may be constructed across the borrow pit where designated by the contracting officer and to be paid for at the contract price per cubic yard; that right of way will be provided by the Government on the river side of the borrow pit for the disposal of stumps, trees, etc., removed in the clearing, and that contractor shall be permitted to operate his plant night and day.

Estimated capacity of the dredge in this class of work is about 20,000 cubic yards per month, and it can be made ready to commence the work early in the spring of 1918.

All bids rejected.

Abstract of proposals for levee work in Hunt drainage district, Illinois, received in response to advertisement of Maj. Clarke S. Smith, Corps of Engineers, and opened Aug. 11, 1917.

[Appropriation for Mississippi River.]

Bidder.	Stations 164 to 234, enlargement, 90,000 cubic yards.	
	Price per cubic yard.	Total cost.
1. Cameron, Joyce & Co., Keokuk, Iowa.....	Cents. 1 28½	\$25,650

¹ Accepted.

Abstract of proposals for levee work in Riverland levee district, Missouri, received in response to advertisement of Lieut. Col. Clarke S. Smith, Corps of Engineers, and opened by Brig. Gen. W. H. Bixby, United States Army, retired, Sept. 5, 1917.

[Appropriation for flood control, Mississippi River, and Sacramento River, Cal., 1918.]

Bidder.	Stations 80 to 395, new, 560,000 cubic yards.		Remarks.
	Price per cubic yard.	Total cost.	
1. S. R. H. Robinson & Son Contracting Co., St. Louis, Mo.	Cents. 15.0	\$84,000	Bid submitted conditionally for all of the work or none.
2. Fred C. Morgac, Indianapolis, Ind.....	16.9	94,640	
3. McWilliams Northern Dredge Co., Chicago, Ill	16.9	94,640	Do.

¹ Accepted.

Abstract of proposals for levee work in Gregory drainage district, Missouri, received in response to advertisement and opened by Brig. Gen. W. H. Bixby, United States Army, retired, Oct. 23, 1917.

[Appropriation for flood control, Mississippi River, and Sacramento River, Cal., 1918.]

Bidder.	Stations 0 to 39, new, 42,000 cubic yards.		Remarks.
	Price per cubic yard.	Total cost.	
1. Cameron, Joyce & Co., Keokuk, Iowa.....	<i>Cents.</i> 1 43	\$18,060	Bidder reserves the right to make the fill with hydraulic dredge with the usual sand fill shrinkage allowance.
2. McWilliams Northern Dredging Co., Chicago, Ill.	45	18,900	
3. Chas. A. Ruddick, Columbus, Ind.....	52½	22,050	

¹ Accepted.

Abstract of proposals for levee work in the East Cape Girardeau and Clear Creek drainage district, Illinois, received in response to advertisement and opened by Brig. Gen. W. H. Bixby, United States Army, retired, Oct. 27, 1917.

[Appropriation for Mississippi River.]

Bidder.	Stations 178+80 to 202, new, 20,000 cubic yards.	
	Price per cubic yard.	Total cost.
1. McCann Bros., Grand Tower, Ill.....	<i>Cents.</i> 1 24	\$4,800
2. Wm. Brothers & Sons, McClure, Ill.....	30	6,000

¹ Accepted.

Abstract of proposals for levee work in East Cape Girardeau and Clear Creek drainage district, Illinois, received in response to advertisement and opened by Edward J. Thomas, special disbursing agent, Engineer Department, secretary Mississippi River Commission, Mar. 22, 1918.

[Appropriation for flood control, Mississippi River, and Sacramento River, Cal., 1918.]

Bidder.	Stations 202 to 542, reconstruction, 300,000 cubic yards.		Stations 202 to 332, reconstruction, 100,000 cubic yards.		Remarks.
	Price per cubic yard.	Total cost.	Price per cubic yard.	Total cost.	
1. Cameron, Joyce & Co., Keokuk, Iowa.	<i>Cents.</i> 35	\$105,000	<i>Cents.</i> 29½	\$29,500	Proposal is made for entire quantity or none.

¹ Accepted.

Abstract of proposals for levee work in Muscatine Island levee district, Iowa, received in response to advertisement and opened by E. J. Thomas, special disbursing agent, Engineer Department, secretary Mississippi River Commission, Apr. 26, 1918.

[Appropriation for flood control, Mississippi River, and Sacramento River, Cal., 1918.]

Bidder.	Stations 328 to 535, reconstruction, 250,000 cubic yards.	
	Price per cubic yard.	Total cost.
1. H. G. Armstrong, Taylorville, Ill.	Cents. 1 15. 75	\$39,375

¹ Accepted.

Abstract of proposals for levee work in Drury drainage district, Illinois, received in response to advertisement and opened by Edward J. Thomas, special disbursing agent, Engineer Department, United States Army, secretary Mississippi River Commission, May 21, 1918.

[Appropriations for Mississippi River and for flood control, Mississippi River, and Sacramento River, Cal.]

Name of bidder.	Description of work.	Limits of work, station to station.	Cubic yards.	Amount bid per cubic yard.		Total cost.	
				At fixed price.	At price plus percentage.	At fixed price.	At price plus percentage.
1. La Crosse Dredging Co., Minneapolis, Minn.	Filling old borrow pits..	38-394	350,000	Cents. 16 $\frac{1}{4}$	Cents. 13 $\frac{1}{2}$	\$56,875	\$59,062.50
Do.....	Filling old borrow pits and levee enlargement.	38-394	560,000	" 18 $\frac{1}{2}$	16	103,600	112,000.00
2. Yale & Reagan Co., Chicago, Ill.	.....do. ³	38-394	560,000	35	30	196,000	210,000.00

¹ Computed by assuming that actual field cost of work would be the same as the price bid by the contractor and adding 25 per cent.

² Accepted for 495,000 cubic yards.

³ Yale & Reagan Co. bid for entire quantity or none. No separate bid for the levee enlargement was received.

Abstract of proposals for charts and maps, received in response to advertisement and opened by Edward J. Thomas, special disbursing agent, Engineer Department, United States Army, secretary Mississippi River Commission, May 31, 1918.

[Appropriation for flood control, Mississippi River, and Sacramento River, Cal.]

Name and address of bidder.	800 title sheets for detail charts.		1,000 title sheets for inch-to-mile maps.		500 copies Roster, Mississippi River Commission.		400 copies Table of Midstream Distances.	
	Price per 100.	Total cost.	Price per 100.	Total cost.	Price per 100.	Total cost.	Price per 100.	Total cost.
1. Snyder & Black, New York, N. Y.	\$18.32	\$146.56	\$14.80	\$148.00	\$15.60	\$78.00	\$18.75	\$75.00
2. A. Hoen & Co., Baltimore, Md.	32.00	256.00	19.60	196.00	21.50	107.50	25.00	100.00
3. Eckert Lithographing Co., Washington, D. C.	32.00	256.00	22.50	225.00	25.00	125.00	26.50	106.00

Abstract of proposals for charts and maps, received in response to advertisement and opened by Edward J. Thomas, special disbursing agent, Engineer Department, United States Army, secretary Mississippi River Commission, May 31, 1918.

Name and address of bidder.	800 sheets index charts for detail maps.		1,200 sheets index charts for inch-to-mile maps.		200 sheets blank book paper.		Total cost.
	Price per 100.	Total cost.	Price per 100.	Total cost.	Price per 100.	Total cost.	
1. Snyder & Black, New York, N. Y.	\$27. 63	\$221. 04	\$14. 75	\$177. 00	\$5. 00	\$10. 00	¹ \$855. 60
2. A. Hoen & Co., Baltimore, Md.	32. 00	256. 00	25. 00	300. 00	5. 00	10. 00	1, 225. 50
3. Eekert Lithographing Co., Washington, D. C.	32. 00	256. 00	24. 00	288. 00	3. 50	7. 00	1, 263. 00

¹ Accepted.

Samples of paper, book cover, linaura and tracing cloth submitted by each bidder.

FIRST AND SECOND MISSISSIPPI RIVER DISTRICTS, MEMPHIS, TENN.

[Montgomery Gardner, district engineer.]

Abstract of proposals for levee work in the upper St. Francis levee district, received in response to advertisement dated May 14, 1918, and opened June 13, 1918, by Montgomery Gardner, assistant engineer in charge, First and Second Mississippi River Commission Districts, Memphis, Tenn.

[Appropriation: Maintenance and improvement of existing river and harbor works, acts of Oct. 2, 1914, and Mar. 4, 1915.]

Name and address of bidder.	Stations 72/12-73/0, 221,000 cubic yards.		Stations 73/0-74/10, 289,000 cubic yards.		Total cost.	Remarks.
	Price.	Cost.	Price.	Cost.		
1. George F. Ramsey, Memphis, Tenn.	Cents. 28. 90	Dollars. 63, 869	Cents. 28. 90	Dollars. 83, 521	Dollars. 147, 390	All or none, certificate of sufficiency of bondsmen not in proper form on one copy of proposal.

Recommended for acceptance.

Abstract of proposals for constructing and delivering complete one steel barge, received in response to advertisement dated Nov. 27, 1917, and opened 11 a. m. Dec. 17, 1917, by Montgomery Gardner, special disbursing agent, Engineer Department, U. S. Army.

[Appropriation: Improving Mississippi River.]

Name and address of bidder.	Price for delivery at point of construction.	Price for delivery afloat at Memphis, Tenn.	Remarks.
1. The Wisconsin Iron & Wire Works, Milwaukee, Wis.	.....	\$67, 250	Authority for signature to bid not given.
2. Memphis Steel Construction Co. of Pennsylvania, Pittsburgh, Pa.	.....	\$23, 400, Pittsburgh, Pa.	
3. American Bridge Co., Pittsburgh, Pa.	\$31, 000, Ambridge, Pa. . . . .	.....	Do.
4. Rock Island Bridge & Iron Works, Rock Island, Ill.	\$28, 352, Rock Island, Ill. . . . .	.....

¹ Recommended for acceptance.

Abstract of proposals for levee work in the Upper St. Francis levee district, received in response to advertisement dated Oct. 9, 1917, and opened 11 a. m. Oct. 23, 1917, by Lieut. Col. G. P. Howell, Corps of Engineers, Memphis, Tenn.

[Appropriation: Improving Mississippi River, and contributed funds.]

Name and address of bidder.	Upper St. Francis levee district.							
	Stations 67/57-70/0, 510,000 cubic yards.		Stations 70/0-72/26, 517,000 cubic yards.		Stations 72/26-73/0, 120,000 cubic yards.		Stations 73/0-73/27, 110,000 cubic yards.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
	<i>Cents.</i>	<i>Dollars.</i>	<i>Cents.</i>	<i>Dollars.</i>	<i>Cents.</i>	<i>Dollars.</i>	<i>Cents.</i>	<i>Dollars.</i>
1. H. B. Blanks, Vicksburg, Miss. ¹	27.0	137,700	27.0	139,590	27.0	32,400	27.0	29,700
2. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn. ²	24.8	126,480	24.8	128,216	24.8	29,760	24.8	27,280
3. Walter Lee & Co., Charleston, Mo. ³	24.9	126,990	24.9	128,733	24.9	29,880	24.9	27,390

Name and address of bidder.	Upper St. Francis levee district.							
	Stations 73/27-74/0, 106,000 cubic yards.		Stations 74/0-74/26, 112,000 cubic yards.		Stations 74/26-75/0, 112,000 cubic yards.		Stations 75/0-75/27, 142,000 cubic yards.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
	<i>Cents.</i>	<i>Dollars.</i>	<i>Cents.</i>	<i>Dollars.</i>	<i>Cents.</i>	<i>Dollars.</i>	<i>Cents.</i>	<i>Dollars.</i>
1. H. B. Blanks, Vicksburg, Miss. ¹	27.0	28,620	27.0	30,240	27.0	30,240	27.0	38,340
2. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn. ²	24.8	26,288	24.8	27,776	24.8	27,776	24.8	35,216
3. Walter Lee & Co., Charleston, Mo. ³	24.9	26,394	24.9	27,888	24.9	27,888	24.9	35,358

Name and address of bidder.	Upper St. Francis levee district.			
	Stations 75/27-76/0, 141,000 cubic yards.		Total.	Remarks.
	Price.	Amount.		
	<i>Cents.</i>	<i>Dollars.</i>	<i>Dollars.</i>	
1. H. B. Blanks, Vicksburg, Miss. ¹	27.0	38,070	504,900	All or none of first two pieces. This proposition for all work awarded.
2. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn. ²	24.8	34,968	463,760	
3. Walter Lee & Co., Charleston, Mo. ³	24.9	35,109	465,630	

¹ Will take as much of first two sections continuously as you have funds to cover, and any balance of the work continuously that you care to add on at the same price.

² Recommended for acceptance as far as funds will permit.

³ First two sections and as much of the remainder as money is available during life of contract.

Abstract of proposals for levee work in the Upper St. Francis levee district, received in response to advertisement dated Sept. 8, 1917, and opened 11 a. m. Sept. 29, 1917, by Lieut. Col. G. P. Howell, Corps of Engineers, Memphis, Tenn.

[Appropriation: Improving Mississippi River, and contributed funds.]

Name and address of bidder.	Upper St. Francis levee district.							
	Stations 67/57-72/26, 510,000 cubic yards.		Stations 70/0-72/26, 517,000 cubic yards.		Stations 72/26-73/0 120,000 cubic yards.		Stations 73/0-73/27, 110,000 cubic yards.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
1. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	<i>Cents.</i> 27.40	<i>Dollars.</i> 139,740	<i>Cents.</i> 27.40	<i>Dollars.</i> 141,658	<i>Cents.</i> 27.40	<i>Dollars.</i> 32,880	<i>Cents.</i> 27.40	<i>Dollars.</i> 30,140
2. Geo. F. Ramsey, Memphis, Tenn.	24.90	126,990	24.90	128,733	.....	.....	.....	.....

Name and address of bidder.	Upper St. Francis levee district.							
	Stations 73/27-74/0, 106,000 cubic yards.		Stations 74/0-74/26, 112,000 cubic yards.		Stations 74/26-75/0, 112,000 cubic yards.		Stations 75/0-75/27, 142,000 cubic yards.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
1. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	<i>Cents.</i> 27.40	<i>Dollars.</i> 29,044	<i>Cents.</i> 27.40	<i>Dollars.</i> 30,688	<i>Cents.</i> 27.40	<i>Dollars.</i> 30,688	<i>Cents.</i> 27.40	<i>Dollars.</i> 38,908
2. Geo. F. Ramsey, Memphis, Tenn. ....	.....	.....	.....	.....	.....	.....	.....	.....

Name and address of bidder.	Upper St. Francis levee district.				Total.	Remarks.
	Stations 75/27-76/0, 141,000 cubic yards.					
	Price.	Amount.				
1. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	<i>Cents.</i> 27.40	<i>Dollars.</i> 38,634			<i>Dollars.</i> 512,380	All or none, as far as funds are available. Certified check for \$50,000 submitted in lieu of guaranty. Both pieces bid on or none. One copy of bid not dated. Guaranty incomplete.
2. Geo. F. Ramsey, Memphis, Tenn. ....	.....	.....			255,723	

Abstract of proposals for furnishing levee work in the Upper St. Francis levee district, received in response to advertisement dated Aug. 29, 1917, and opened Sept. 18, 1917, by Lieut. Col. G. P. Howell, Corps of Engineers, Memphis, Tenn.

[Appropriation: Flood control, Mississippi and Sacramento Rivers, and contributed funds.]

Name and address of bidder.	Stations 42/6-43/10, 70,000 cubic yards.		Remarks.
	Price per yard.	Cost.	
	1. Walter Lee, Charleston, Mo.	\$0.35		$24,500	Recommended for acceptance.

Abstract of proposals for levee work in upper and lower St. Francis and White River levee districts, received in response to advertisement dated July 25, 1917, and opened Aug. 24, 1917, by Lieut. Col. G. P. Howell, Corps of Engineers, Memphis, Tenn.

Name and address of bidder.	Upper St. Francis Levee District.								
	Stations 30/0-31/0. Enlargement, 75,000 cubic yards.		Stations 33/0-34/0. Enlargement, 50,000 cubic yards.		Stations 35/28-37/40. Enlargement and set-back, 145,000 cubic yards.		Stations 40/35-43/10. Enlargement and set-back 214,000 cubic yards.		Total.
	Price.	Cost.	Price.	Cost.	Price.	Cost.	Price.	Cost.	
1. Geo. F. Ramsey, Memphis, Tenn.	Cents. 34.5	\$25,875	Cents. 29	\$14,500	Cents. 35	\$50,750	Cents. 135	\$70,620	\$161,745
2. Walter L. Lee, Charleston, Mo.	2 33	24,750	2 36	14,000	2 35	47,850	-----	-----	86,600
3. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	35	26,250	32	16,000	35	50,750	35	74,900	167,900

Name and address of bidder.	Lower St. Francis Levee District.									
	Stations 41/0-48/4. Banquette, 300,000 cubic yards.		Stations 83/30-87/14. Enlargement, 250,000 cubic yards.		Stations 93/15-96/8. Enlargement, 180,000 cubic yards.		Stations 130/0-133/0. Banquette, 175,000 cubic yards.		Stations 133/0-135/0. Banquette, 105,000 cubic yards.	
	Price.	Cost.	Price.	Cost.	Price.	Cost.	Price.	Cost.	Price.	Cost.
1. Geo. F. Ramsey, Memphis, Tenn.	Cents. 25.7	\$77,100	-----	-----	-----	-----	Cents. 31	\$54,250	Cents. 31	\$32,550
2. Walter L. Lee, Charleston, Mo.	26	78,000	-----	-----	-----	-----	-----	-----	-----	-----
3. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	2 25	75,000	2 30	\$75,000	2 25	\$45,000	2 29.5	51,625	2 29.5	30,975

Name and address of bidder.	Lower St. Francis Levee District.									
	Stations 135/0-137/0. Banquette, 175,000 cubic yards.		Stations 137/0-139/0. Banquette, 200,000 cubic yards.		Stations 139/0-140/29. Banquette, 165,000 cubic yards.		Stations 168/20-169/30. Enlargement, 125,000 cubic yards.		Stations 173/32-173/0 Enlargement, 140,000 cubic yards.	
	Price.	Cost.	Price.	Cost.	Price.	Cost.	Price.	Cost.	Price.	Cost.
1. Geo. F. Ramsey, Memphis, Tenn.	Cents. 31	\$54,250	Cents. 31	\$62,000	Cents. 31	\$51,150	Cents. -----	-----	Cents. -----	-----
2. Walter L. Lee, Charleston, Mo.	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	39.5	51,625	2 29.5	89,000	2 29.5	48,675	2 45	\$56,250	2.5	\$40,600

¹ Recommended for rejection.

² Recommended for acceptance.

Abstract of proposals for levee work in upper and lower St. Francis and White River levee districts, received in response to advertisement dated July 25, 1917, and opened Aug. 24, 1917, by Lieut. Col. G. B. Howell, Corps of Engineers, Memphis, Tenn.—Contd.

Name of address and bidder.	Lower St. Francis Levee District.								Total.
	Stations 173/0-175/0. Enlargement, 170,000 cubic yards.		Stations 175/0-177/0. Enlargement, 160,000 cubic yards.		Stations 177/0-179/0. Enlargement, 165,000 cubic yards.		Stations 179/0-180/0. Enlargement, 100,000 cubic yards.		
	Price.	Cost.	Price.	Cost.	Price.	Cost.	Price.	Cost.	
1. Geo. F. Ramsey, Memphis, Tenn.	<i>Cents.</i>		<i>Cents.</i>		<i>Cents.</i>		<i>Cents.</i>		\$331,300
2. Walter L. Lee, Charleston, Mo.									78,000
3. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	27	\$45,900	29	\$46,400	27	\$44,550	28	\$28,000	698,600
4. H. B. Blanks, Vicksburg, Miss.	1 22	37,400	1 22	35,200	1 22	36,300	1 30	30,000	178,100

Name and address of bidder.	White River levee district.				Total.	Grand total.	Remarks.
	Stations 52/48-53/30. New loop and banquettes, 260,000 cubic yards.		Stations 61/39-62/15. New loop and banquettes, 133,000 cubic yards.				
	Price.	Cost.	Price.	Cost.			
1. Geo. F. Ramsey, Memphis, Tenn.	<i>Cents.</i>		<i>Cents.</i>			\$493,045	All or none on 5 pieces, 130/0-140/29 — Lower St. Francis.
2. Walter L. Lee, Charleston, Mo.						164,600	All or none in upper St. Francis levee district. Will accept work in either district but not in both districts. Certified check for \$11,700 submitted in lieu of guaranty.
3. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.	2 45	\$117,000	1 35	\$46,550	\$163,550	1,030,050	Lower St. Francis levee district: All or none from stations 83/30-87/14, and from stations 93/15-96/8. All or none from stations 130/0-140/29. All or none from stations 171/32-180/0.
4. H. B. Blanks, Vicksburg, Miss.						178,000	All or none of work bid on. Certified check for \$20,000 submitted in lieu of guaranty.

¹ Recommended for acceptance.

² Recommended for rejection.

Abstract of proposals for levee work in the Reelfoot levee district, received in response to advertisement of July 23, 1917, and opened Aug. 3, 1917, by Lieut. Col. G. P. Howell, Corps of Engineers, U. S. Army, Memphis, Tenn.

[Appropriation: Improving Mississippi River, Flood control, and contributed funds.]

Name and address of bidder.	Station 15/0-16/0 65,000 cubic yards (per yard).	Total.	Remarks.
1. Geo. F. Ramsey, Memphis, Tenn.	<i>Cents.</i> 33½	\$21,775	Certified check for \$2,500 submitted in lieu of guaranty. Certified check for \$2,080 submitted in lieu of guaranty.
2. L. T. Callahan, Fulton, Ky.	37½	24,375	
3. P. B. & E. M. Lowrance, Memphis, Tenn.	32	20,800	
4. W. E. Bondurant, Hickman, Ky.	29.70	19,305	

¹ Accepted.

Abstract of proposals for furnishing elevators, conveyors, concrete mixer, etc., received in response to advertisement, and opened July 2, 1917, at Memphis, Tenn., by Lieut. Col. G. P. Howell, Corps of Engineers.

[Appropriation for improving Mississippi River (act of July 27, 1916, allotment for new plant).]

Name and address of bidder.	Lot No. 1, conveyors and elevators.	Lot No. 2, concrete mixer and engine.	Lot No. 3.	
			Steam capstan.	Pumps.
1. Chas. Hedgewald Co., New Albany, Ind.	.....	.....	\$1,275 8 x 8" engine, worm drive; \$475 6 x 12" engine, spur geared drive.	\$35; make not stated.
2. Koehring Machine Co., Milwaukee, Wis.	.....	\$3,570.00	.....	.....
3. Schoellhorn Albrecht Machine Co., St. Louis, Mo.	.....	.....	\$1,850	Any standard make of pump furnished, included in proposal for capstan.
4. Marine Manufacturing & Supply Co., Pittsburgh, Pa.	.....	.....	6 x 8" capstan engine as per drawing No. 1, with either of 4 pumps.	6 x 4 x 6" Worthington \$1,275 7½ x 5 x 6" Worthington 1,350 6 x 4 x 6" Epping Carpenter 1,425 6 x 4 x 6" Bal. Epping Carpenter 1,465
			6 x 8" capstan engine as per drawing No. 2, with either of 4 pumps.	6 x 4 x 6" Worthington 1,250 7½ x 5 x 6" Worthington 1,385 6 x 4 x 6" Epping Carpenter 1,425 6 x 4 x 6" Bal. Epping Carpenter 1,450
			6 x 8" capstan engine, A frame, as per drawing No. 3, with either of 4 pumps.	6 x 4 x 6" Worthington 1,265 7½ x 5 x 6" Worthington 1,395 6 x 4 x 6" Epping Carpenter 1,440 6 x 4 x 6" Bal. Epping Carpenter 1,465
			6 x 8" worm geared link rev. eng. as per drawing No. 4, with either of 4 pumps.	6 x 4 x 6" Worthington 1,580 7½ x 5 x 6" Worthington 1,695 6 x 4 x 6" Epping Carpenter 1,735 6 x 4 x 6" Bal. Epping Carpenter 1,740
			6 x 8" worm geared piston rev. eng. as per drawing No. 5, with either of 4 pumps.	6 x 4 x 6" Worthington 1,250 7½ x 5 x 6" Worthington 1,325 6 x 4 x 6" Epping Carpenter 1,380 6 x 4 x 6" Bal. Epping Carpenter 1,390
			6 x 8" spur geared capstan eng. as per drawing No. 6, with either of 4 pumps.	6 x 4 x 6" Worthington 1,225 7½ x 5 x 6" Worthington 1,360 6 x 4 x 6" Epping Carpenter 1,400 6 x 4 x 6" Bal. Epping Carpenter 1,425
5. B. N. Davis, New Orleans.	\$3,883.66 3,495.29 3,106.93	.....	.....	.....
6. Link Belt Co., Chicago, Ill.	6,498.00	.....	.....	.....

Remarks.—No. 1: Certified check for \$330 submitted in lieu of guaranty. Authority for signature to proposal not shown.
 No. 2: Authority for signatures to proposal and bond not shown.
 No. 3: Certified check for \$462.50 submitted in lieu of guaranty. Authority for signature to proposal not shown.
 No. 4: Certified check for \$350 submitted in lieu of guaranty. Authority for signature to proposal not shown.
 No. 5: Informal; bids made in consideration of time to close contract, being 60-30-10 days' proposals. All bids recommended for rejection.

THIRD MISSISSIPPI RIVER DISTRICT, VICKSBURG, MISS.

[Mr. A. M. Todd, district engineer.]

Abstract of proposals for constructing about 460,000 cubic yards of levee work, received in response to advertisement issued Apr. 27, 1918, and opened at 11 o'clock a. m., May 20, 1918 (stations 1325 to 1567-33, Lower Yazoo Levee District, below Greenville, Miss.).

[Appropriation: Maintenance and improvement of existing river and harbor works, and contributed funds.]

Name and address of bidder.	Price per cubic yard (cents).	Cost.
1. B. B. Blanks, Vicksburg, Miss.....	39.5	\$181,700

No. 1. Certified check for \$19,000 furnished in place of guaranty. Erasure of price bid not explained or certified to by bidder. Address of bidder omitted.

Abstract of proposals for constructing about 1,265,000 cubic yards of levee work, received in response to advertisement issued June 11, 1917, and opened at 11 o'clock a. m., July 11, 1917. (Arkansas River below Yancopin, Upper Tensas Levee District.)

[Appropriation: Maintenance and improvement of existing river and harbor work, and flood control, Mississippi River.]

Name and address of bidder.	Section 1: Stations 210-257, 250,000 cubic yards—new work.		Section 2: Stations 257-303, 250,000 cubic yards—new work.		Section 3: Stations 377-434, 340,000 cubic yards—new work.	
	Price.	Cost.	Price.	Cost.	Price.	Cost.
1. Roach, Stansell & Co., Memphis, Tenn..	Cents. 29.3	\$73,250	Cents. 29.3	\$73,250	Cents. 29.3	\$99,620

Name and address of bidder.	Section 4: Stations 434-490, 340,000 cubic yards—new work.		Section 5: Stations 191-500, 85,000 cubic yards—enlargement and banquette.		Entire work: Stations 191-500, 1,265,000 cubic yards—new work, enlargement, and banquette.	
	Price.	Cost.	Price.	Cost.	Price.	Cost.
1. Hercules Co. (Ltd.), New Orleans, La..	Cents. 29.3	\$99,620	Cents. 29.3	\$24,905	Cents. 23.3	\$294,745
2. Roach, Stansell & Co., Memphis, Tenn..	Cents. 29.3	\$99,620	Cents. 29.3	\$24,905	Cents. 29.3	\$370,645

¹ Bid accepted under authority dated June 2, 1913. (E. D. 89869.)

NOTE.—All prices are in cents per cubic yard.

No. 1. Evidence of authority of officer signing bid not certified under seal of company. The district engineer officer has satisfied himself that the signer is vested with sufficient authority.

No. 2. Proposal is for "all or none." Address omitted from one copy. Words "one of the firm" not appended to signature. In guaranty, name of bidder has been changed to read "Roach, Stansell & Co." in one place. In another place it reads "Roach & Stansell." The date of bid accompanying is given as July 5, 1917, but should be July 11, 1917. The justification of guarantors is less than 10 per cent of the amount of the bid.

Abstract of proposals for furnishing about 20,000 short tons of stone for bank revetment work, received in response to advertisement issued June 23, 1917, and opened at 12 o'clock noon, July 25, 1917.

[Appropriation: Improving Mississippi River.]

Places of delivery.	1. Warrior Timber & Contracting Co., Birmingham, Ala.	2. United States Stone Co., Little Rock, Ark.	3. Toomey & Presben, Memphis, Tenn.	4. Thos. Wellford & Sons, Memphis, Tenn.
	Price (maximum, 20,000 tons; minimum, 20,000 tons).	Price (minimum, 20,000 tons).	Price (maximum, 20,000 tons; minimum, 20,000 tons).	Price.
Arkansas City, Ark.: Unloaded from cars on— River bank.....		\$2.04, \$2.24, and \$2.44	See "Remarks."	See "Remarks."
Government barges.....		2.39, 2.59, and 2.79		
Loading from bank to barge.....		.35		
Vicksburg, Miss.: Unloaded from cars on— River bank.....	\$2.74			
Government barges.....	3.34			

NOTE.—All prices are per ton of 2,000 pounds.

REMARKS.

No. 1. Evidence of authority of signer not furnished. Bid dated July 25; guaranty states date as July 21, 1917. Signature to guaranty not attested. Bid "conditioned on ability to secure the necessary railroad equipment and service." Commercial freight rate \$1.25 per ton; estimated land-grant saving about 4½ cents per ton.

No. 2. Certified check for \$5,500 furnished in place of guaranty. Bid contemplates shipments as follows:

Shipping points in Arkansas.	Tons.	Prices on—		Commercial freight rate, per ton.	Estimated land-grant saving, per ton.
		River bank.	Government barges.		
Sweet Home.....	1,000			\$0.80	\$0.1348
Little Rock.....	1,000			.80	.14
Dalhoff.....	1,000			.80	.1444
Gleason.....	1,000			.80	.19
	4,000	\$2.04	\$2.39		1.1523
Plumerville.....	1,000			1.00	.3648
Russell.....	1,000			1.00	.352
Galla.....	1,000			1.00	.378
Oulta.....	1,000			1.00	.408
Mil Creek.....	1,000			1.00	.4126
London.....	1,000			1.00	.42
Scotia.....	1,000			1.00	.428
Pney.....	1,000			1.00	.434
Atkins.....	1,000			1.00	.356
Bradford.....	1,000			1.00	.35
	10,000	2.24	2.59		1.3903
Cabin Creek.....	1,500			1.20	.6006
Coal Hill.....	1,500			1.20	.6498
Altus.....	1,500			1.20	.618
Zeno.....	1,500			1.20	.638
	6,000	2.44	2.79		1.6266

¹ Average.

No. 3. Names of members of firm not stated. Words "one of the firm" not appended to signatures. Informal bid to furnish stone loaded on cars at quarry near Tishomingo, Miss. (located on branch line of Illinois Central Railroad from Jackson, Tenn., to Birmingham, Ala., 86 miles southeast of Jackson), at \$1.35 per ton. Letter of general freight agent of Illinois Central Railroad Co. attached to one copy of the bid, gives the following freight rates:

To Rosedale and Greenville, Miss., 6½ cents. To Arkansas City and Luna Landing, Ark., 13½ cents. To Delta Point, La., 15½ cents; and to Vicksburg, Miss., 10½ cents per 100 pounds. No provision made in proposal for unloading cars at destination or for loading barges in accordance with paragraph 24 of the specifications.

No. 4. Informal offer to rent the quarry near Tishomingo, Miss., at 55 cents per ton for stone unquarried.

Abstract of proposals for constructing about 1,100,000 cubic yards of levees, received in response to advertisement issued Aug. 14, 1917, and opened at 11 o'clock a. m. Sept. 4, 1917.

[Appropriation: Improving Mississippi River.]

Bidder.	Manner of bidding.	Name of levee on which bids were received.					
		Rosedale.				Ellesley and Shipland, stations 7449-7502 and 7592-7633 80,000 cubic yards.	
		Section 1, stations 1200-1396, 250,000 cubic yards.		Section 2, stations 1396-1513, 250,000 cubic yards.			
		Price per cubic yard.	Cost.	Price per cubic yard.	Cost.	Price per cubic yard.	Cost.
1. Geo. F. Ramsey, Memphis, Tenn. ¹	Regular...	<i>Cents.</i> 32.90	\$82,250.00	<i>Cents.</i> 32.90	\$82,250.00	<i>Cents.</i> 38.00	\$30,400.00
3. Jno. G. Sessions, Memphis, Tenn. ²	Percentage Regular...	26.40	.....	26.40	.....	31.47	25,176.00
4. W. T. Beauchamp, Vicksburg, Miss.	..do.....	.....	.....	.....	.....	29.00	23,200.00
5. J. A. Burt, Gunnison, Miss.	..do.....	39.50	98,750.00	39.50	98,750.00	.....	.....
7. R. T. Clark & Co., Natchez, Miss. ³	..do.....	47.50	118,750.00	47.50	118,750.00	33.75	27,000.00
8. W. T. & E. M. Lowrance & Co., Memphis, Tenn. ⁴	..do.....	44.70	111,750.00	44.70	111,750.00	28.00	22,400.00

Bidder.	Manner of bidding.	Name of levee on which bids were received.			
		Tallula.			
		Section 1, stations 7808-7920, 89,000 cubic yards.		Section 2, stations 7920-8012, 89,000 cubic yards.	
		Price per cubic yard.	Cost.	Price per cubic yard.	Cost.
1. Geo. F. Ramsey, Memphis, Tenn. ¹	Regular...	<i>Cents.</i> 38.00	\$33,820.00	<i>Cents.</i> 38.00	\$33,820.00
3. Jno. G. Sessions, Memphis, Tenn. ²	..do.....	21.47	28,008.30	.....	.....
7. R. T. Clark & Co., Natchez, Miss. ³	..do.....	37.34	33,232.60	37.34	33,232.60
8. W. T. & E. M. Lowrance & Co., Memphis, Tenn. ⁴	..do.....	28.00	24,920.00	45.00	40,050.00

¹ Bids all or none on Rosedale; all or none on Ellesley, Shipland, and Tallula, and all or none on Tennessee.

² Bids both or none on Ellesley and Shipland.

³ Bid all or none on Rosedale; all or none on Tallula, and all or none on Tennessee.

⁴ Bid both or none on Rosedale, and all or none on remaining six pieces of work.

Abstract of proposals for constructing about 1,100,000 cubic yards of levees, received in response to advertisement issued Aug. 14, 1917, and opened at 11 o'clock a. m. Sept. 4, 1917—Continued.

Bidder.	Manner of bidding.	Name of levee on which bids were received.					
		Tennessee.					
		Section 1, stations 8536-8690+50, 115,000 cubic yards.		Section 2, stations 8690+50-8727+85, 128,000 cubic yards.		Section 3, stations 8730+07-8848+25, 99,000 cubic yards.	
		Price per cubic yard.	Cost.	Price per cubic yard.	Cost.	Price per cubic yard.	Cost.
1. Geo. F. Ramsey, Memphis, Tenn. ¹	Regular ...	Cents. 35.00	\$40,250.00	Cents. 35.00	\$44,800.00	Cents. 35.00	\$34,650.00
2. S. R. Hughes Construction Co., Vicksburg, Miss.	...do.....	36.00	41,400.00	32.00	40,960.00	36.00	35,640.00
4. W. T. Beauchamp, Vicksburg, Miss.	...do.....	.....	.....	.....	.....	29.00	28,710.00
5. J. A. Burt, Gunnison, Miss.	...do.....	33.00	37,950.00	28.00	35,840.00	27.75	27,472.50
6. Helgason Bros., Vicksburg, Miss.	...do.....	.....	.....	24.75	31,680.00	24.50	24,255.00
7. R. T. Clark & Co., Natchez, Miss. ²	...do.....	.....	.....	17.75	.....	17.50	.....
8. W. T. & E. M. Lowrance & Co., Memphis, Tenn. ³	...do.....	29.45	33,867.50	29.45	37,696.00	29.45	29,155.50
		28.00	32,200.00	26.00	33,280.00	25.00	24,750.00

¹ Bids all or none on Rosedale; all or more on Ellesley, Shiiland, and Tallula, and all or none on Tennessee.

² Bid all or none on Rosedale; all or none on Tallula, and all or none on Tennessee.

³ Bid both or none on Rosedale, and all or none on remaining six pieces of work.

9. Hercules Co. (Ltd.), New Orleans, La.: Bid received after opening. Bid only on section 2, Rosedale, at 41 cents; cost, \$102,500. Regular basis.

Bidder No. 1 proposed to place 100 teams on the work on the percentage basis.

Bidder No. 6 proposed to place scraper team outfit on the work on the percentage basis.

Proposal No. 2: Bidder modifies time of commencing work to "after high water of 1918." Signature to guaranty not attested.

Proposal No. 3: Certified check for \$7,500 furnished in lieu of guaranty.

Proposal No. 4: Affidavit of acknowledgment of guaranty on one copy dated only; on the other copy left blank.

Proposal No. 5: Signature to guaranty not attested.

Proposal No. 6: Words "one of the firm" not appended to signature. Certified check for \$5,000 furnished in lieu of guaranty.

Proposal No. 7: Words "one of the firm" not appended to signature.

Proposal No. 8: Names of members of firm not given. Words "one of the firm" not appended to signature. Certified check for \$38,000 furnished in lieu of guaranty.

Proposal No. 9: Received by special delivery after regular opening of bids. Delay in delivery was due to late train on A. & V. Ry.

Abstract of proposals for constructing about 400,000 cubic yards of levee work, received in response to advertisement issued Aug. 15, 1917, and opened at 11 o'clock a. m. Sept. 5, 1917.

[Appropriation: Improving Mississippi River.]

(Prices are in cents per cubic yard.)

Name and address of bidder.	Donna Vista Levee—Upper Tensas Levee district.			
	Section 1—Stations 1099 + 22 - 1139; 200,000 cubic yards.		Section 2—Stations 1139 - 1175 + 22; 200,000 cubic yards.	
	Price.	Cost.	Price.	Cost.
1. Roach, Stansell & Lowrance Bros. & Co., Memphis, Tenn. ¹ ..	41.90	\$83,800	41.00	\$82,000
2. R. T. Clark & Co., Natchez, Miss. ²	41.45	82,900	42.00	84,000

¹ The entire work: 400,000 cubic yards, at 45.90 cents per cubic yard, \$183,600.

² The entire work: 400,000 cubic yards, at 44.45 cents per cubic yard, \$177,800.

Proposal No. 1: Names of members of firm not given. Words "one of the firm" not appended to signature.

Proposal No. 2: Words "one of the firm" not appended to signature.

Abstract of proposals for constructing about 1,000,000 cubic yards of levee work, received in response to advertisement issued August 23 and opened at 11 o'clock a. m. Sept. 11, 1917.

[Appropriation: Flood control, Mississippi and Sacramento Rivers, and contributed funds.]

(Price bid is in cents per cubic yards.)

Name and address of bidder.	Arkansas River levee—Stations 743 to 912; 1,000 cubic yards.	
	Price bid.	Cost.
1. Roach, Stansell & Co., Memphis, Tenn.....	48.7	\$487,000

Only one bid received. Names of members of firm not given. Words "one of the firm" not appended to signature.

Abstract of proposals for constructing about 303,000 cubic yards of levee work, received in response to advertisement issued Aug. 25 and opened at 11 o'clock a. m. Sept. 12, 1917.

[Appropriation: Flood control, Mississippi and Sacramento Rivers, and contributed funds.]

(Prices bid are in cents per cubic yard.)

Name and address of bidder.	Fittler levee, lower Yazoo levee district.			
	Section 1, stations 8108 + 50 - 8134; 151,000 cubic yards.		Section 2, stations 8134 - 8162 + 67; 151,000 cubic yards.	
	Price.	Cost.	Price.	Cost.
1. R. T. Clark & Co., Natchez, Miss.....	35.45	\$53,706.75	35.45	\$53,706.75
2. W. T. & E. M. Lawrence & Co., Memphis, Tenn.....	36.45	55,221.75	35.40	53,621.00

Bid No. 1: Words "one of the firm" not appended to signature.
 Bid No. 2: Names of members of firm not given. Words "one of the firm" not appended to signature.
 Acknowledgment of guaranty not attested.

Abstract of proposals for constructing about 1,000,000 cubic yards of levee work, received in response to advertisement issued Oct. 9 and opened at 11 o'clock a. m. Nov. 8, 1917.

[Appropriation: Flood control, Mississippi and Sacramento Rivers, and contributed funds.]

Name and address of bidder.	Arkansas River enlargement, stations 743-912, in 8 sections of 125,000 cubic yards each.							
	Section 1.	Section 2.	Section 3.	Section 4.	Section 5.	Section 6.	Section 7.	Section 8.
Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.: Price bid (cents per cubic yard).....	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
Cost.....	\$67,125	\$67,125	\$67,125	\$67,125	\$67,125	\$67,125	\$67,125	\$67,125

Words "one of the firm" not appended to signature. Bid stated "All work awarded or none."

Abstract of proposals for constructing about 65,000 cubic yards of levee work, received in response to advertisement issued Oct. 23 and opened at 11 o'clock a. m. Nov. 8, 1917.

[Appropriation: Maintenance and improvement of existing river and harbor works.]

Name and address of bidder.	Riverside enlargement, Arkansas River, stations 35-48 and 48-69.
Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.:	
Price bid (cents per cubic yard).....	28.5
Cost.....	\$18,525

Words "one of the firm" not appended to signature.

Abstract of bids for constructing about 410,000 cubic yards of levee work, received in response to advertisement issued Oct. 28 and opened at 11 o'clock a. m. Nov. 10, 1917.

[Appropriation: Flood control, Mississippi and Sacramento Rivers, and contributed funds.]

(Price bid is in cents per cubic yard.)

Name and address of bidders.	Lower Yazoo Levee district, Miss.			
	Riverton Levee, stations 1513-1575+46, 160,000 cubic yards.		Worthington Point Levee, stations 1700-1800, 250,000 cubic yards.	
	Price.	Cost.	Price.	Cost.
1. Roach, Stansell, Lowrance Bros. & Co., Memphis, Tenn.....	32.80	\$52,480	32.80	\$82,000
2. J. A. Burt, Memphis, Tenn.....	34.75	55,600		
3. Geo. F. Ramsey, Memphis, Tenn.....	38.00	60,800		
4. R. T. Clark & Co., Natchez, Miss.....	35.90	57,440	34.90	87,250
5. Dave Elkas & Co., Leota Landing, Miss.....	34.89	55,680	29.40	73,500
6. H. B. Blanks, Vicksburg, Miss.....			30.00	75,000

Minor informalities in the bids were waived under provision of paragraph 4 of the general specifications.
 Proposal No. 2: Certified check for \$6,000 furnished in lieu of guaranty.
 Proposal No. 5: Certified check for \$14,000 furnished in lieu of guaranty.
 Proposal No. 6: Certified check for \$8,000 furnished in lieu of guaranty.

SUPERVISION OF THE HARBOR OF NEW YORK.

[Officer: Commodore James T. Smith, U. S. Navy, retired.]

Abstract of proposals for repairing engines of patrol vessel "Lamont," received in response to circular public notice dated May 17, 1918, by Commodore James T. Smith, U. S. Navy (retired), supervisor of the harbor of New York.

Name and address of bidder.	Price bid.
1. John W. Sullivan, New York City.....	(1)
2. Verdon & Co. (Inc.), West New Brighton, Staten Island, N. Y.....	\$2,211
3. Theo. Smith & Sons Co., Jersey City, N. J.....	1,707
4. Morse Dry Dock & Repair Co., Brooklyn, N. Y.....	2,790
5. W. & A. Fletcher, Hoboken, N. J.....	2,430
6. Ocean Engine & Boiler Works (Inc.), Brooklyn, N. Y.....	6,315

¹ In accordance with Government plan of payments.

² No. 3 lowest and accepted bid.

100 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposals for repairing patrol vessel "Lamont," in connection with removal and installation of new boiler, received in response to circular public notice dated May 17, 1918, by Commodore James T. Smith, U. S. Navy (retired), supervisor of the harbor of New York.

Name and address of bidder.	Price bid.
1. Verdon & Co. (Inc.), West New Brighton, Staten Island, N. Y. ¹	\$5,719
2. Theo. Smith & Sons Co., Jersey City, N. J.....	9,967
3. Morse Dry Dock & Repair Co., Brooklyn, N. Y.....	15,165
4. W. & A. Fletcher, Hoboken, N. J.....	8,475
5. Ocean Engine & Boiler Works (Inc.).....	17,387

¹ No. 1 lowest and accepted bid.

Abstract of proposals for removing old Scotch boiler and installing a new Roberts boiler in patrol vessel "Lamont," received in response to circular public notice dated May 17, 1918, by Commodore James T. Smith, U. S. Navy (retired), supervisor of the harbor of New York.

Name and address of bidder.	Price bid.
1. John W. Sullivan Co., New York City.....	\$5,000
2. Verdon & Co. (Inc.), West New Brighton, Staten Island, N. Y. ¹	3,570
3. Theo. Smith & Sons Co., Jersey City, N. Y.....	3,700
4. Morse Dry Dock & Repair Co., Brooklyn, N. Y.....	7,410
5. W. & A. Fletcher, Hoboken, N. J.....	8,200
6. Ocean Engine & Boiler Works (Inc.), Brooklyn, N. Y.....	13,300

¹ No. 2 lowest and accepted bid.

GENERAL ENGINEER DEPOT, WASHINGTON, D. C.

Abstract of proposals for furnishing of rubber-insulated armored and unarmored cable, received in response to depot advertisement No. 345, opened here at 11 a. m., July 2, 1917, by Maj. W. H. Rose, Corps of Engineers.

[Officer, Maj. W. H. Rose, Corps of Engineers.]

Item.	Quantity. (feet).	Rubber-insulated, lead-covered cable.	Bidders.					
			1. Standard Underground Cable Co.		2. United States Rubber Co.		3. Hazard Manufacturing Co.	
			Perfoot.	Total.	Per foot.	Total.	Perfoot.	Total.
1	2,800	1,300,000 cm., 1-cond., strd.	\$2.35	\$6,580.00	\$3.45202	\$9,665.66	\$2.52	\$7,056.00
1a		18 reels for above.....	15.55	279.90	{ 10 @ 25 8 @ 12 }	346.00	12.50	225.00
2	1,378	41,700 cm., 2-cond., strd. ....	.355	489.19	.48149	663.49	.39	537.42
2a		2 reels for above.....	14.00	28.00	12.00	24.00	12.50	25.00
3	300	26,300 cm., 2-cond., std., armd. ....	.59	177.00	.76712	230.14	.83	249.00
3a		1 reel for above.....	16.00	16.00	25.00	25.00	12.50	12.50
4	12,000	81 mils, 2-cond., solid, armd. ....	.243	2,916.00	.3438	3,748.56	.29	3,480.00
4a		12 reels for above.....	14.00	168.00	25.00	300.00	12.50	150.00
5	3,690	81 mils, 2-cond., solid.....	.123	453.87	.14588	538.30	.13	479.70
5a		4 reels for above.....	7.00	28.00	{ 3 @ 12 1 @ 6 }	42.00	7.00	28.00
Aggregate.....				11,135.96		15,583.15		12,242.62
Delivery f. o. b. within — calendar days.....			Perth Amboy, N. J. Items 1, 2, and 5, 60 days; items 3 and 4, 85 days.		Bristol, R. I. Items 1, 2, 3, 90 days; item 4, 120 days; item 5, 45 days.		Wilkes-Barre, Pa., 90 days; no guaranty. See letter attached to bidder's bid.	

MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918. 101

Abstract of proposals for furnishing of rubber-insulated armored and unarmored cable, received in response to depot advertisement No. 345, opened here at 11 a. m., July 2, 1917, by Maj. W. H. Rose, Corps of Engineers—Continued.

Item.	Quantity (feet).	Rubber-insulated, lead-covered cable.	Bidders.			
			4. Safety Insulated Wire & Cable Co.		5. Okonite Co.	
			Perfoot.	Total.	Perfoot.	Total.
1	2,800	1,300,000 cm., 1-cond., strd.....	\$2.70	\$7,560.00	\$3.0445	\$8,524.60
1a		13 reels for above.....	10.00	180.00	2.00	36.00
2	1,378	41,700 cm., 2-cond., strd.....	.38	523.64	6.278	865.11
2a		2 reels for above.....	10.00	20.00	4.50	9.00
3	300	26,300 cm., 2-cond., std., armd.....	.584	176.20	7.153	214.59
3a		1 reel for above.....	10.00	10.00	4.50	4.50
4	12,000	81 mils, 2-cond., solid, armd.....	.244	2,928.00	3.246	3,895.20
4a		12 reels for above.....	10.00	120.00	9.50	114.00
5	3,690	81 mils, 2-cond., solid.....	.153	564.57	2.271	838.00
5a		4 reels for above.....	5.00	20.00	9.50	38.00
Aggregate.....						
Delivery f. o. b. within — calendar days.....			Bayonne, N. J., 150 days.		Passaic, N. J., 90 days.	

Item.	Quantity (feet).	Rubber-insulated, lead-covered cable.	Bidders.			
			6. Bishop Gutta Percha Co.		7. American Steel & Wire Co.	
			Perfoot.	Total.	Perfoot.	Total.
1	2,800	1,300,000 cm., 1-cond., strd.....	\$2.783	\$7,792.40	\$3.195	\$8,946.00
1a		13 reels for above.....	20.00	360.00	10.00	180.00
2	1,378	41,700 cm., 2-cond., strd.....	.398	548.44	.43	592.54
2a		2 reels for above.....	20.00	40.00	10.00	20.00
3	300	26,300 cm., 2-cond., std., armd.....	.712	213.60	.524	157.20
3a		1 reel for above.....	30.00	30.00	10.00	10.00
4	12,000	81 mils, 2-cond., solid, armd.....	.262	3,144.00	.249	2,988.00
4a		12 reels for above.....	20.00	240.00	10.00	120.00
5	3,690	81 mils, 2-cond., solid.....	.121	446.49	.140	516.60
5a		4 reels for above.....	10.00	40.00	10.00	40.00
Aggregate.....						
Delivery f. o. b. within — calendar days.....			New York, N. Y., 60 days.		Worcester, Mass., 105 days; no guaranty. Bidder so advised, but no reply received.	

Office estimate: None.

Recommended for acceptance, bid of bidder No. 1.

Allotment: "Supplies for Seacoast Defenses," from which available funds are in hand.

Abstract of proposals for furnishing office wire, received in response to Depot Circular-Proposal No. 355, dated June 28, 1917, and opened here at 11 a. m., July 6, 1917, by Maj. W. H. Rose, Corps of Engineers.

Bidders.	Quantity bid on.	1,680,000 feet wire, firing, No. 14 Duplex, damp proof, office wire, having a single braid weatherproof covering over each conductor, with paraffin office braid outside. To be furnished in 500 feet coils. No. 14 size wire runs approximately 25 feet to the pound.	
		Unit.	Remarks.
Carroll Electric Co., Washington, D. C.	<i>Feet.</i> 75,000	\$45.62 per 100 pounds.	Start manufacture of wire within 6 weeks after receipt of order and within 90 days thereafter make delivery of 75,000 feet.
National Electrical Supply Co., Washington, D. C.	1,680,000	\$0.435 per pound...	Same as supplied Engineers depot on previous orders. Deliveries will begin in 21 days after award; completed at rate of 50,000 feet per week.
Chicago Insulated Wire & Manufacturing Co., Sycamore, Ill.	720,000	\$0.0164 per linear foot.	Deliveries will begin in 18 days after award; completed in 90 days.
American Steel & Wire Co., Washington, D. C.	1,680,000	\$0.39½ per pound..	Deliveries will begin in 30 days after award; completed in 120 days.
United States Rubber Co., New York, N. Y.	1,680,000	\$0.0185 per foot....	Deliveries will begin in 21 days after award; completed in 60 days.
New York Blasting Supply Co., York, N. Y.	1,680,000	\$0.01985 per foot...	Deliveries will begin in 30 days after award; completed in 133 calendar days. (See letter accompanying bid.)

Being purchased under authorization of the Chief of Engineers, dated April 25, 1917, to procure equipment for 70 Infantry divisions.

Office estimate, none.

Bid of American Steel & Wire Co. recommended for acceptance.

Abstract of proposals for constructing additional buildings and improving the grounas at Engineer storhouse No. 3, Washington, D. C., received in response to Depot Advertisement No. 373, opened here at 11 a. m., July 31, 1917, by Maj. W. H. Rose, Corps of Engineers.

Bidders.	Item A.	Item B.	Item C.	Alternative for furnishing cement plaster siding.
1. Melton Construction Co. (Inc.), Washington, D. C.....	\$83,995.00	\$1.25	\$1.25	(1)
2. Michael A. Weller Co. (Inc.), Washington, D. C.....	99,218.00			
3. Wm. P. Lipscomb & Co., Washington, D. C.....	(2)	(2)	(2)	(2)
Bids received after time set for opening:				
4. A. C. Moses Co., Washington, D. C.....	3 77,184.00	1.50	1.50	
5. James L. Parsons, jr., Washington, D. C.....	4 72,500.00	(5)	(5)	\$72,500.00
6. Boyle-Robertson Construction Co. (Inc.), Washington, D. C.....	6 76,457.00	1.50	1.75	73,457.00

¹ No difference.

² Construct 3 buildings, complete, and other miscellaneous work as indicated on plans and specifications, for cost of material and labor, plus a percentage of 6 per cent.

³ Bid received at 11.04 a. m., July 31, 1917.

⁴ Bid received at 11.10 a. m., July 31, 1917.

⁵ Included in price stated under item A.

⁶ Bid received at 11.02 a. m., July 31, 1917.

Abstract of proposals for furnishing 100 115-volt, direct-current switchboards, received in response to Depot Advertisement No. 367, opened at 11 a. m. Aug. 9, 1917, by Maj. W. H. Rose, Corps of Engineers.

Articles.	1. Walker Electric Co., Philadelphia, Pa.	2. Westinghouse Electric & Manufacturing Co., Washington, D. C.	3. General Electric Co., marine sales department, Schenectady, N. Y.
(a) 100 switchboards, 115-volt, direct current. Delivery.....	Unit price, \$380; total, \$38,000. 10 in 75 days; 6 per week thereafter.	Unit price, \$366.62; total, \$36,662. (See note under "Remarks" below.)	Unit price, \$391.15; total, \$39,115. 10 in 115 days; complete in 189 days, rate of 10 per week.
Instruments: Ammeters..... Voltmeters..... Watt-hour meters. Circuit breakers	Weston model No. 271.... .....do..... Sangamo D-5 switchboard. Cutter I-T-E type E.L....	Westinghouse TL..... .....do..... Sangamo..... Cutter I-T-E.....	G. E. D-7. Do. Sangamo D-5. G. E. C. P.
(b) 100 switchboards, 115-volt, direct current. Delivery.....	Unit price, \$385; total, \$38,500. 10 in 50 days; 10 per week thereafter.		Unit price, \$430.27; total, \$43,027. 20 in 90 days; then 20 per week; complete in 120 days.
Instruments: Ammeters..... Voltmeters..... Watt-hour meters. Circuit breakers	Same type and make as stated under (a) above.		Same type and make as stated under (a) above.
(c) 100 switchboards, 115-volt, direct current. Delivery.....	Unit price, \$420; total, \$42,000. 100 within 60 days.....		Unit price, \$489.90; total, \$48,990. 10 in 50 days; then 10 per day; complete in 60 days.
Instruments: Ammeters..... Voltmeters..... Watt-hour meters. Circuit breakers	Same type and make as stated under (a) above.		Same type and make as stated under (a) above.
F. o. b. cars (or boat) Remarks.....	Philadelphia, Pa..... The following additions to the above unit prices, delivery not affected in case instead of Weston model No. 271, ammeters and voltmeters of other type or make are to be furnished: Weston model No. 273. \$16 Weston model No. 24 (7-inch)..... 6 Weston model No. 57 (9-inch)..... 30 G. E. type D-7 (9-inch) 29 G. E. type D-8 (7-inch) 10 Keystone S (9-inch)... 16 Keystone C (7-inch)... 4 Roller Smith RR (9-inch)..... 7 Roller Smith IP (7-inch)..... 2 Westinghouse SLN (7-inch)..... 4 All ammeters and voltmeters will be in complete accordance with specifications with the exception of that the Weston meters of any type will not be provided with metal scale. (See letter attached to proposal.)	Philadelphia, Pa..... Delivery of first 5 boards within 65 days, delivery being based on the omission of the 300-ampere circuit breakers. (See letter accompanying proposal.) If their (Westinghouse) type CA carbon circuit breaker can be used, can make delivery of the first 5 within 90 to 120 days, and, in either case, can deliver from 3 to 5 each week thereafter. The switchboards are in accordance with written agreement attached to proposal.	Schenectady, N. Y. Bidder proposes to use their standard bus bars $\frac{1}{4}$ inch thick instead of $\frac{3}{8}$ inch thick, as specified. For descriptive specifications of the switchboards, see sheet attached to proposal. Prices and shipment promises will hold for 10 days after opening of bids.

104 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposals for furnishing 100 115-volt, direct current switchboards, received in response to Depot Advertisement No. 367, opened at 11 a. m. Aug. 9, 1917, by Maj. W. H. Rose, Corps of Engineers—Continued.

Articles.	4. Krantz Manufacturing Co. (Inc.), Brooklyn, N. Y.	5. Empire Engineering & Supply Co., New York, N. Y.	6. Wm. Wurdack Electric Manufacturing Co., St. Louis, Mo.
(a) 100 switchboards, 115-volt, direct current.		Unit price, \$440; total, \$44,000.	Unit price, \$396; total, \$39,600.
Delivery		Complete, 180 days.....	(See note under "Remarks" for delivery).
Instruments:			
Ammeters.....		Roller Smith Wagner.....	Weston No. 57.
Voltmeters.....		do.....	Do.
Watt-hour meters.....		Sangamo switchboard type	Sangamo D-5 shunted.
Circuit breakers.....		Cutter EL.....	I-T-E, EL Reversite.
(b) 100 switchboards, 115-volt, direct current.	Unit price, \$447.50; total, \$44,750.	Unit price, \$448; total, \$44,800.	Unit price, \$376.50; total, \$37,650.
Delivery	Complete in 120 days.....	Complete, 120 days.....	(See note under "Remarks" for delivery.)
Instruments:			
Ammeters.....	Weston No. 57.....	Same type and make as stated under (a) above.	Wagner R. P. M.
Voltmeters.....	do.....		Do.
Watt-hour meters.....	Sangamo.....		Sangamo D-5 shunted.
Circuit breakers.....	Cutter EL.....	<i>Alternative.</i>	I-T-E, EL Reversite.
(c) 100 switchboards, 115-volt, direct current.		Unit price, \$468; total, \$46,800.	
Delivery		Complete, 180 days.....	
Instruments:			
Ammeters.....		Weston No. 57 (moisture proof.)	
Voltmeters.....		do.....	
Watt-hour meters.....		Sangamo switchboard type	
Circuit breakers.....		Cutter EL.....	
F. o. b. cars (or boat)	Brooklyn, N. Y.....	New York City.....	St. Louis, Mo.
Remarks			Delivery of switchboards, less instruments, to commence 50 days after notice of approval of contract, at the rate of approximately 10 per week until completed. Complete boards can be shipped as per above if possible to obtain instruments and circuit breakers. If desired in 180 days, deliveries will commence 60 days after approval of contract and continue at the rate of 6 per week until completed. Same conditions regarding instruments and circuit breakers as above stated.

Abstract of proposals for furnishing 100 115-volt, direct current switchboards, received in response to Depot Advertisement No. 367, opened at 11 a. m. Aug. 9, 1917, by Maj. W. H. Rose, Corps of Engineers—Continued.

Articles.	7. Trumbull Electric Manufacturing Co., Plainville, Conn.	8. Frank Adams Electric Co., St. Louis.	9. Carroll Electric Co., Washington, D. C. (bid received at 11.02½ a. m.).
(a) 100 switchboards, 115-volt, direct current. Delivery	Unit price, \$535; total, \$53,500. Complete, 180 days.....	Unit price, \$388.75; total, \$38,875. 10 in 65 days; then 40 per month thereafter.	
Instruments: Ammeters..... Voltmeters..... Watt-hour meters. Circuit breakers	Weston No. 57..... .....do..... Sangamo switchboard, direct current, 2-wire. I-T-E, EL.....	See proposal (letter) for equipment on board.	
(b) 100 switchboards, 115-volt, direct current. Delivery		Unit price, \$422.25; total, \$42,225. 10 in 65 days; then 40 per month thereafter.	Unit price, \$425; total, \$42,500. 50 in 90 days; complete in 120 days.
Instruments: Ammeters..... Voltmeters..... Watt-hour meters. Circuit breakers		G. E. type D-7 in lieu of Norton G instruments.	Westinghouse TL 119186. Westinghouse TL 119164. Westinghouse CW-6. G. E. Type C, Form P.
F. o. b. cars (or boat)	Plainville, Conn.....	St. Louis, Mo.....	Washington, D. C.
Remarks.....	Itemized delivery, viz: 10 within 90 days, and 8 per week thereafter, starting 2 weeks from the completion of the first 10 units. The scales on the Weston instruments will be of paper and the cases will not be nonrusting. Certified check for \$10,700 furnished as guaranty. Written guaranty also furnished.	Bid is informal, i. e., not submitted on forms furnished; also, no guaranty furnished. Can not guarantee delivery dates promised. Prices subject to revision after 10 days from opening.	Panels to be built in the city of Washington. Bidder's circuit-breaker allowance amounts to \$60.10, and if Government can secure I-T-E breakers for use at this figure, will furnish this type without additional expense. Bid received after other bids were read (11.02½ a. m. Aug. 19, 1917).

Bid of bidder No. 2 recommended for acceptance.
Office estimate, none.
Allotment: No funds; emergency purchase.

NOTE.—To be requested at a later date.

Abstract of proposals for furnishing gasoline tanks and fittings, received in response to depot advertisement 377, and opened here at 11 a. m., Aug. 10, 1917, by Maj. W. H. Rose, Corps of Engineers.

Articles.	1. L. O. Koven & Bro., Jersey City, N. J.		2. John Wood Manufacturing Co., Conshohocken, Pa.	
	Unit.	Total.	Unit.	Total.
361 370-gallon galvanized gasoline tanks, with fittings, in accordance with drawing 109.....	\$330	\$119,130	\$330	\$119,130
<i>Alternative bid.</i>				
361 370-gallon ungalvanized gasoline tanks, with fittings, in accordance with drawing 109.....	290	104,690	285	102,885
347 sets filler pipes, caps, etc., in accordance with drawing 105.....	38	13,186	20	6,940
Remarks.....	The above prices are based on and tendered for immediate acceptance only, the cost of steel plates for shells and heads being figured on the present market price, viz: 10 cents per pound. If it is impossible to procure material at this price when acceptance of proposal is tendered, can not be bound by contract or otherwise to our bid.		Prices bid based on furnishing a welded tank, and not a riveted one, as called for by specifications. Longitudinal seam and all other joints to be welded.	
Deliveries.....	Alternative prices for tanks, if Government furnishes material for shells and heads, viz: 361 370-gallon galvanized tanks (unit \$150), \$54,150. 361 370-gallon ungalvanized tanks (unit \$107), \$38,627.		Begin within 60 calendar days after receipt of notice of approval of contract and continued at a rate of 36 sets per month.	
Delivered f. o. b. cars (or boat).....	Owing to inability to procure deliveries of material for tanks from steel mills, can not quote any time of completion of same, or any part thereof. Time required for manufacture upon receipt of materials at our works, as follows: Begin after first four weeks at the rate of five tanks per week.			
	First station, Westshore R. R., Hoboken, N. J.		Conshohocken, Pa.	

ALTERNATIVE PROPOSALS.

3. Wayne Oil Tank & Pump Co., Fort Wayne, Ind. Tanks: Propose to furnish 361 tanks with head and shell constructed of $\frac{3}{8}$ -inch open-hearth soft steel used for tanks. Each tank 42 inches diameter by 58 inches long; approximate capacity of 350 gallons, United States standard. To be constructed as shown on bulletin No. 88, accompanying proposal, but will not be provided with manhole. Each tank to be fitted with three flanges, one 2-inch flange for fill, one 3-inch flange for suction, and one 1½-inch flange for vent. Designed for the storage of and handling gasoline without pressure and will be labeled with the underwriter's label. Guaranteed leakproof. All sheets machine beveled, all rivets cold driven. No filler of any kind will be used. When finished, to be tested under 10 pounds pressure and provided with two coats of rust-resisting paint. For a total price of \$43,320.

Same tanks as above, except 70 inches long, and capacity 420 gallons, for a total price of \$46,569.
No. 4. Novelty Steam Boiler Works, 917 South Howard Street, Baltimore, Md. If Government furnishes material, can furnish the labor and properly execute the work called for. Under this plan we would figure the material at market prices, keep an accurate cost of all labor and material we were obliged to furnish, and incidentals, add 20 per cent to the actual cost for our operating expense and overhead charges and 10 per cent for profit.

NOTE.—No guaranty with proposal.
Delivery: Fifty tanks within 30 days from receipt of order; balance at the rate of 60 per month. For supplementary bids see their letters dated Aug. 13, 16, and 21.
Cars, Fort Wayne, Ind.

NOTE.—Will furnish guaranty in the form of a certified check if bid is to be considered.
5. Ward & Co. (Inc.), Washington, D. C. Can furnish tanks welded throughout, the Government to furnish the steel necessary to manufacture tanks, made of $\frac{3}{8}$ -inch black steel with wrought couplings (but no other material), each f. o. b. Dubuque, \$47.20, total \$17,219.70. Tanks same as above, but made of $\frac{1}{2}$ -inch steel, and with couplings, each f. o. b. Dubuque, Iowa, \$31.80; total, \$11,479.50. The prices above are for actual manufacture of the tanks only, and do not include furnishing any material beyond the necessary tools, welding wire, and welding apparatus necessary, and the couplings for the openings. Subject to award within 10 days, at option. Delivery: Twelve tanks per week from receipt of order.

MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918. 107

Abstract of proposal for furnishing cable received in response to depot advertisement No. 378, opened here at 11 a. m., Aug. 16, 1917, by Maj. W. H. Rose, Corps of Engineers.

Item.	Rubber-insulated, lead-covered cable.	1. Standard Underground Cable Co., Pittsburgh, Pa.		2. Okonite Co., New York, N. Y.		3. American Steel & Wire Co. of New Jersey, Washington, D. C.	
		Unit.	Total.	Unit.	Total.	Unit.	Total.
1. 400 feet.....	26,300 c. m., 2-cond. strd., armored.	\$0.555	\$222.00	¹ \$69.54	\$278.16	² \$541	\$216.40
1a. 1.....	Reel for above cable.....	14.00	14.00	4.00	4.00	10	10.00
2. 100 feet.....	16,500 c. m., 2-cond. strd., unarmored.	.35	35.00	¹ 34.64	34.64	² 232	23.20
2a. 1.....	Reel for above cable.....	5.50	5.50	2.00	2.00	2	2.00
3. 380 feet.....	81 mil. dia., 2-cond. solid cable, unarmored.	.129	49.02	¹ 21.79	82.80	² 134	50.92
3a. 2.....	Reels for above cable.....	3.25	6.50	2.00	4.00	2	4.00
4. 8,200 feet.....	81 mil. dia., 2-cond. solid cable, armored.	.238	1,951.60	¹ 31.54	2,586.28	² 249	2,041.80
4a. 8.....	Reels for above cable.....	14.00	112.00	9.00	72.00	10	80.00
Aggregate.....			2,395.62		3,063.88		2,428.32
Delivered, complete, f. o. b. cars (or boat) at.....		Perth Amboy, N. J.		Passaic, N. J. . .		Worcester, Mass.	
Within calendar days after receipt of notice of approval of contract.		Items 2 and 3, 60 working days; 1 and 4, 150 working days.		84		90	
Remarks.....		In case of award notify Wash-ton office.				No guaranty fur-nished with proposal.	

Item.	Rubber-insulated, lead-covered, cable.	4. Carroll Electric Co., Washington, D. C.		5. Safety Insulated Wire and Cable Co., Wash- ington, D. C.		6. Simplex Wire and Cable Co., Boston, Mass.	
		Unit.	Total.	Unit.	Total.	Unit.	Total.
1. 400 feet.....	26,300 c. m., 2-cond. strd., armored.	\$0.825	\$330.00	² \$632.00	\$252.80	\$0.54	\$216.00
1a. 1.....	Reel for above cable.....	12.50	12.50	10.00	10.00	2.50	2.50
2. 100 feet.....	16,500 c. m., 2-cond. strd., unarmored.	.561	56.10	² 340.00	34.00	.31	31.00
2a. 1.....	Reel for above cable.....	4.50	4.50	2.50	2.50	1.50	1.50
3. 380 feet.....	81 mil. dia., 2-cond. solid cable, unarmored.	.275	104.50	² 185.00	70.30	.15	57.00
3a. 2.....	Reels for above cable.....	4.50	9.00	2.50	5.00	1.50	3.00
4. 8,200 feet.....	81 mil. dia., 2-cond. solid cable, armored.	.33	2,952.00	² 281.00	2,304.20	.20	1,648.20
4a. 8.....	Reels for above cable.....	12.50	100.00	{ ³ 10.00 ³ 20.00 }	90.00	8.00	64.00
Aggregate.....			3,568.60		2,768.80		2,023.20
Delivered, complete, f. o. b. cars (or boat) at.....		Wilkes - Barre, Pa.		Bayonne, N. Y. . .		Cambridge, Mass.	
Within calendar days after receipt of notice of approval of contract.		180		120-180		70	
Remarks.....		Subject to acceptance by Aug. 16, 1917. Will not enter into contract containing liquidated damage clause. No guaranty with proposal.					

¹ Per hundred feet.

² Per thousand feet.

³ Seven at \$10; 1 at \$20.

Bid of bidder No. 6 recommended for acceptance.

108 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

Abstract of proposals for furnishing miscellaneous sizes of lead-covered cable for use at seacoast defenses, opened Sept. 12, 1917, by Maj. W. H. Rose, Corps of Engineers.

Item.	Article.	Quantity.	1. Standard Underground Cable Co., Pittsburgh, Pa.			
			Unit.	Total.	Unit.	Total.
		<i>Fect.</i>				
1	650,000 c. m., 1 cond., stranded.....	5,400	\$12.00	\$6,480.00	\$0.43	\$2,322.00
1a	Reels for same.....	10	24.00	240.00	24.00	240.00
2	250,000 c. m., 1 cond., stranded.....	11,732	.613	7,191.72	.232	2,721.82
2a	Reels for same.....	13	14.00	182.00	14.00	182.00
3	212,000 c. m., 1 cond., stranded.....	6,510	.535	3,482.85	.20	1,302.00
3a	Reels for same.....	8	14.00	112.00	14.00	112.00
4	168,000 c. m., 2 cond., stranded.....	1,190	.830	987.70	.308	366.52
4a	Reels for same.....	2	24.00	48.00	24.00	48.00
5	133,000 c. m., 1 cond., stranded.....	400	.438	175.20	.227	90.80
5a	Reel for same.....	1	14.00	14.00	14.00	14.00
5A	133,000 c. m., 2 cond., stranded.....	230	.799	183.77	.361	83.03
5Aa	Reel for same.....	1	14.00	14.00	14.00	14.00
6	106,000 c. m., 2 cond., stranded.....	2,240	.634	1,420.16	.253	566.72
6a	Reels for same.....	3	24.00	72.00	24.00	72.00
7	106,000 c. m., 1 cond., stranded.....	180	.435	78.30	.212	38.16
7a	Reel for same.....	1	14.00	14.00	14.00	14.00
8	66,400 c. m., 2 cond., stranded.....	1,600	.726	1,161.60	.463	740.80
8a	Reels for same.....	3	18.00	54.00	18.00	54.00
9	41,700 c. m., 2 cond., stranded.....	1,650	.317	523.05	.137	226.05
9a	Reels for same.....	2	14.00	28.00	14.00	28.00
10	26,300 c. m., 2 cond., stranded.....	7,050	.262	1,847.10	.117	824.85
10a	Reels for same.....	9	14.00	126.00	14.00	126.00
11	16,500 c. m., 2 cond., stranded.....	2,000	.174	348.00	.078	156.00
11a	Reels for same.....	3	10.00	30.00	10.00	30.00
12	102 mils dia., 2 cond., solid.....	4,750	.139	660.25	.078	370.50
12a	Reels for same.....	7	10.00	70.00	10.00	70.00
13	102 mils dia., 1 cond., solid.....	5,710	.070	399.70	.031	177.01
13a	Reels for same.....	4	10.00	40.00	10.00	40.00
13b	Box for same.....	1	5.00	5.00	5.00	5.00
14	81 mils dia., 2 cond., solid.....	2,150	.120	258.00	.069	148.35
14a	Reels for same.....	2	10.00	20.00	10.00	20.00
14b	Box for same.....	1	5.00	5.00	5.00	5.00
15	212,000 c. m., 1 cond., stranded, served.....	4,650	.786	3,654.90	.449	2,087.85
15a	Reels for same.....	6	24.00	144.00	24.00	144.00
16	106,000 c. m., 2 cond., stranded, served.....	1,000	1.047	1,047.00	.617	617.00
16a	Reels for same.....	2	32.00	64.00	32.00	64.00
17	41,700 c. m., 2 cond., stranded, served.....	300	.688	306.40	.483	144.90
17a	Reel for same.....	1	24.00	24.00	24.00	24.00
18	81 mils dia., 2 cond., solid (not served).....	4,005	.218	873.09	.153	612.77
18a	Reels for same.....	6	14.00	84.00	14.00	84.00
19	9 cond., served.....	3,900	.473	1,844.70	.344	1,341.60
19a	Reels for same.....	4	14.00	56.00	14.00	56.00
20	66,400 c. m., 2 cond., stranded (not served).....	100	1.273	127.80	1.015	101.50
20a	Reel for same.....	1	10.00	10.00	10.00	10.00
21	41,700 c. m., 2 cond., stranded (not served).....	700	.557	389.90	.35	245.00
21a	Reel for same.....	1	24.00	24.00	24.00	24.00
22	26,300 c. m., 2 cond., stranded (not served).....	450	.516	232.20	.348	156.60
22a	Reel for same.....	1	14.00	14.00	14.00	14.00
23	212,000 c. m., 1 cond., stranded, served.....	250	1.015	253.75	.692	173.00
23a	Reel for same.....	1	14.00	14.00	14.00	14.00

*Abstract of proposals for furnishing miscellaneous sizes of lead-covered cable for use at
 Cascoast defenses, opened Sept. 12, 1917, by Maj. W. H. Rose, Corps of Engineers—
 Continued.*

Item.	Article.	Quan- tity.	2. Bishop Gutta Percha Co., New York.			
			Unit.	Total.	Unit.	Total.
		<i>Feet.</i>				
1	650,000 c. m., 1 cond., stranded.....	5,400	\$492.00	\$8,056.80	\$392.00	\$2,116.80
1a	Reels for same.....	10	20.00	200.00	20.00	200.00
2	250,000 c. m., 1 cond., stranded.....	11,732	742.10	8,705.00	215.00	2,522.40
2a	Reels for same.....	13		240.00		240.00
3	212,000 c. m., 1 cond., stranded.....	6,510	622.00	4,049.20	165.00	1,074.20
3a	Reels for same.....	8		90.00		90.00
4	168,000 c. m., 2 cond., stranded.....	1,190	980.00	1,166.00	294.00	349.90
4a	Reels for same.....	2		40.00		40.00
5	133,000 c. m., 1 cond., stranded.....	400	488.00	195.20	150.00	60.00
5a	Reel for same.....	1	3.00	3.00		3.00
5A	133,000 c. m., 2 cond., stranded.....	230	871.00	200.30	268.00	61.60
5Aa	Reel for same.....	1	10.00	10.00		10.00
6	106,000 c. m., 2 cond., stranded.....	2,240	741.00	1,659.50	217.00	486.10
6a	Reels for same.....	3		60.00		60.00
7	106,000 c. m., 1 cond., stranded.....	180	433.00	77.90	136.00	24.50
7a	Reel for same.....	1	2.00	2.00		2.00
8	66,400 c. m., 2 cond., stranded.....	1,600	484.00	774.40	154.00	246.40
8a	Reels for same.....	3		15.00		15.00
9	41,700 c. m., 2 cond., stranded.....	1,650	363.00	599.00	108.00	178.20
9a	Reels for same.....	2		13.00		13.00
10	26,300 c. m., 2 cond., stranded.....	7,050	290.00	2,044.50	88.00	620.40
10a	Reels for same.....	9		61.00		61.00
11	16,500 c. m., 2 cond., stranded.....	2,000	194.00	388.00	58.00	116.00
11a	Reels for same.....	3		14.00		14.00
12	102 mils dia., 2 cond., solid.....	4,750	150.00	712.50	50.00	237.50
12a	Reels for same.....	7		18.00		18.00
13	102 mils dia., 1 cond., solid.....	5,710	76.00	434.00	25.00	142.80
13a	Reels for same.....	4		7.50		7.50
13b	Box for same.....	1	2.00	4.00		4.00
14	81 mils dia., 2 cond., solid.....	2,150	107.00	230.10	36.00	77.40
14a	Reels for same.....	2		5.00		5.00
14b	Box for same.....	1	2.00	2.00		2.00
15	212,000 c. m., 1 cond., stranded, served.....	4,650	823.00	3,827.00	366.00	1,701.90
15a	Reels for same.....	6		260.00		260.00
15	106,000 c. m., 2 cond., stranded, served.....	1,000	1,206.00	1,206.00	629.00	1,085.00
16a	Reels for same.....	2	30.00	60.00		60.00
17	41,700 c. m., 2 cond., stranded, served.....	300	703.00	210.90	417.00	125.10
17a	Reel for same.....	1	10.00	10.00		10.00
18	81 mils dia., 2 cond., solid (not served).....	4,005	259.00	1,037.30	176.00	704.90
18a	Reels for same.....	6		90.00		90.00
19	9 cond., served.....	3,900	531.00	1,970.90	355.00	1,384.50
19a	Reels for same.....	4	30.00	120.00		120.00
20	66,400 c. m., 2 cond., stranded (not served).....	100	704.00	70.40	337.00	33.70
20a	Reel for same.....	1	3.00	3.00		3.00
21	41,700 c. m., 2 cond., stranded (not served).....	700	547.00	382.90	261.00	182.70
21a	Reel for same.....	1	20.00	20.00		20.00
22	26,300 c. m., 2 cond., stranded (not served).....	450	464.00	208.80	234.00	105.30
22a	Reel for same.....	1	3.00	3.00		3.00
23	212,000 c. m., 1 cond., stranded, served.....	250				
23a	Reel for same.....	1				

110 MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918.

*Abstract of proposals for furnishing miscellaneous sizes of lead-covered cable for use of
seacoast defenses, opened Sept. 12, 1917, by Maj. W. H. Rose, Corps of Engineers—
Continued.*

Item.	Article.	Quantity.	3. Simplex Wire & Cable Co., Boston, Mass. ¹			
			Unit.	Total.	Unit.	Total.
		<i>Feet.</i>				
1	650,000 c. m., 1 cond., stranded.....	5,400	\$1,350.00	\$7,290.00	\$903.20	\$4,877.28
1a	Reels for same.....	10	8.00	80.00		
2	250,000 c. m., 1 cond., stranded.....	11,732	660.50	7,748.99	430.90	5,055.32
2a	Reels for same.....	13	8.00	93.00		
3	212,000 c. m., 1 cond., stranded.....	6,510	571.00	3,717.21	375.70	2,445.81
3a	Reels for same.....	8	2.50	31.00		
4	168,000 c. m., 2 cond., stranded.....	1,190	913.00	1,086.47	591.60	704.00
4a	Reels for same.....	2		10.50		
5	133,000 c. m., 1 cond., stranded.....	400	430.00	172.00	278.75	111.50
5a	Reel for same.....	1	2.50	2.50		
5A	133,000 c. m., 2 cond., stranded.....	230	793.00	182.39	508.10	116.86
5Aa	Reel for same.....	1	2.50	2.50		
6	106,000 c. m., 2 cond., stranded.....	2,240	696.00	1,559.04	439.80	985.15
6a	Reels for same.....	3		18.50		
7	106,000 c. m., 1 cond., stranded.....	180	379.00	68.22	243.10	43.76
7a	Reel for same.....	1	1.50	1.50		
8	66,400 c. m., 2 cond., stranded.....	1,600	434.00	694.40	269.10	430.56
8a	Reels for same.....	3		7.00		
9	41,700 c. m., 2 cond., stranded.....	1,650	337.00	556.05	206.00	339.90
9a	Reels for same.....	2		4.50		
10	26,300 c. m., 2 cond., stranded.....	7,050	272.00	1,917.60	164.90	1,162.55
10a	Reels for same.....	9		21.00		
11	16,500 c. m., 2 cond., stranded.....	2,000	187.00	373.00	111.35	222.70
11a	Reels for same.....	3		6.00		
12	102 mils dia., 2 cond., solid.....	4,750	150.00	712.50	93.00	441.75
12a	Reels for same.....	7		14.50		
13	102 mils dia., 1 cond., solid.....	5,710	70.00	399.70	42.05	240.10
13a	Reels for same.....	4		6.50		
13b	Box for same.....	1				
14	81 mils dia., 2 cond., solid.....	2,150	106.00	227.90	63.00	135.45
14a	Reels for same.....	2		4.00		
14b	Box for same.....	1				
15	212,000 c. m., 1 cond., stranded, served.....	4,650	790.00	3,673.50	375.70	1,747.00
15a	Reels for same.....	6	15.00	90.00		
16	106,000 c. m., 2 cond., stranded, served.....	1,000	1,085.00	1,085.00	472.20	472.20
16a	Reels for same.....	2	15.00	30.00		
17	41,700 c. m., 2 cond., stranded, served.....	300	593.00	177.90	223.50	67.05
17a	Reel for same.....	1	8.00	8.00		
18	81 mils dia., 2 cond., solid (not served).....	4,005	232.00	929.16	67.50	270.33
18a	Reels for same.....	6		31.50		
19	9 cond., served.....	3,900	424.00	1,653.60	128.30	500.37
19a	Reels for same.....	4	15.00	60.00		
20	66,400 c. m., 2 cond., stranded (not served).....	100	1,180.00	118.00	305.10	30.51
20a	Reel for same.....	1	2.50	2.50		
21	41,700 c. m., 2 cond., stranded (not served).....	700	599.00	419.30	228.00	159.60
21a	Reel for same.....	1	8.00	8.00		
22	26,300 c. m., 2 cond., stranded (not served).....	450	545.00	245.25	178.50	80.33
22a	Reel for same.....	1	2.50	2.50		
23	212,000 c. m., 1 cond., stranded, served.....	250	1,040.00	260.00	372.70	93.18
23a	Reel for same.....	1	8.00	8.00		

¹ Accepted bidder.

MATERIAL AND LABOR FOR ENGINEER DEPARTMENT, 1918. 111

Abstract of proposals for furnishing electric supplies, opened 11 a. m., Sept. 17, 1917, by Maj. W. H. Rose, Corps of Engineers.

[Circular Proposal 400, Req. 5012.]

No.	Item No.	Quantity.	Description.	Lowest price.		Second lowest price.		Third lowest price.	
				Unit price.	Bid-der.	Unit price.	Bid-der.	Unit price.	Bid-der.
<i>Pounds.</i>									
1	93	39,000	No. 2 weatherproof, solid.....	\$.3075	A...	\$.3085	I...	\$0.31	F.
2	94	28,000	No. 6 weatherproof, solid.....	.3075	A...	.3085	I...	.31	F.
3	95	18,750	No. 8 weatherproof, solid.....	.3075	A...	.3085	I...	.31	F.
4	96	26,100	No. 00 weatherproof, stranded.....	.31	F...	.31	A...	.3135	I.
5	97	27,000	No. 2 weatherproof, stranded.....	.31	A...	.3125	F...	.3135	I.
<i>Feet.</i>									
6	98	500,000	No. 10 rubber covered, solid.....	.019	D...	.01912	B...	.01915	H.
7	99	1,000,000	No. 12 rubber covered, solid.....	.01364	H...	.01371	B...	.014	C.
8	100	1,000,000	No. 14 rubber covered, solid.....	.00955	K...	.00995	G...	.00998	B.
9	101	5,000	No. 00 L. C., N. E. C., rubber, stranded.....	.288	F...	.2925	E...	.29382	K.
10	102	20,000	No. 6 L. C., N. E. C., rubber, Fl. Duplex.....	.167	H...	.1715	E...	.18376	K.
11	103	10,000	No. 2 L. C., N. E. C., rubber, Fl. Duplex.....	.31486	K...	.3196	E...	.348	F.
12	104	1,000,000	No. 18 stranded, N. E. C., Y. & G., cotton lamp cord, twisted.....	.0164	K...	.1706	H...	.018	I.

No.	Item No.	Recommendations.	Sept. 27, 1917.
1	93	F, 7,800 pounds, 5 days.....	\$2,418.00
		A, 31,200 pounds, one-fourth Oct. 28, one-fourth Nov. 28, one-fourth Dec. 28, one-fourth Jan. 28.....	9,594.00
2	94	F, 5,000 pounds, 5 days.....	1,550.00
		I, 600 pounds, 1 week.....	185.10
3	95	A, 22,400 pounds, one-fourth Oct. 28, one-fourth Nov. 28, one-fourth Dec. 28, one-fourth Jan. 28.....	6,910.40
		C, 2,500 pounds, at once.....	775.00
4	96	F, 1,250 pounds, 1 week.....	387.50
		A, 15,000 pounds, one-fourth Oct. 28, one-fourth Nov. 28, one-fourth Dec. 28, one-fourth Jan. 28.....	4,612.50
5	97	I, 5,220 pounds, 1 week.....	1,636.47
		F, 20,880 pounds, one-fourth Oct. 28, one-fourth Nov. 28, one-fourth Dec. 28, one-fourth Jan. 28.....	6,472.80
6	98	I, 5,000 pounds, 1 week.....	1,567.50
		A, 22,000 pounds, one-fourth Oct. 28, one-fourth Nov. 28, one-fourth Dec. 28, one-fourth Jan. 28.....	6,820.00
7	99	B, 50,000 feet, at once.....	956.00
		D, 450,000 feet, 50,000 feet at once, 100,000 feet Nov. 28, 100,000 feet Dec. 28, 100,000 feet Jan. 28.....	8,550.00
8	100	B, 200,000 feet, 107,000 feet at once, 93,000 feet 1 week.....	2,742.00
		H, 800,000 feet, one-fourth Oct. 28, one-fourth Nov. 28, one-fourth Dec. 28, one-fourth Jan. 28.....	10,912.00
9	101	K, 1,000,000 feet, one-fifth at once, one-fifth Oct. 28, one-fifth Nov. 28, one-fifth Dec. 28, one-fifth Jan. 28.....	9,550.00
		F, 4,000 feet, one-fourth Oct. 28, one-fourth Nov. 28, one-fourth Dec. 28, one-fourth Jan. 28.....	293.82
10	102	H, 20,000 feet, one-fifth Oct. 28, one-fifth Nov. 28, one-fifth Dec. 28, one-fifth Jan. 28.....	1,152.00
11	103	K, 10,000 feet, one-fifth soon as possible, one-fifth Oct. 28, one-fifth Nov. 28, one-fifth Dec. 28, one-fifth Jan. 28.....	3,340.00
12	104	K, 1,000,000 feet, one-fifth at once, one-fifth Oct. 28, one-fifth Nov. 28, one-fifth Dec. 28, one-fifth Jan. 28.....	3,148.60
Total.....			16,400.00
			99,973.69

- A = Central Electric Co., Chicago, Ill. Banner brand. F. o. b. Sycamore, Ill.
- B = Detroit Insulated Wire Co., Detroit, Mich. F. o. b. Detroit, Mich.
- C = General Electric Co., Schenectady, N. Y. F. o. b. Schenectady, N. Y.
- D = John J. Leahy, New York, N. Y. F. o. b. New York.
- E = Simplex Wire & Cable Co., Boston, Mass. F. o. b. Cambridge, Mass.
- F = Standard Underground Cable Co., Pittsburgh, Pa. F. o. b. Perth Amboy, N. J.
- G = Stuart Howland Co., Boston, Mass. F. o. b. Boston, Mass.
- H = United States Steel Products Co., Washington, D. C. F. o. b. Worcester, Mass.
- I = Wesco Supply Co., St. Louis, Mo. F. o. b. Sycamore, Ill.
- K = Western Electric Co., Chicago, Ill. F. o. b. Yonkers, N. Y.

