

CONTRACT AWARD**AB2022-45 STEEL FOR THE THE MERCER COUNTY DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE****CONTRACT TERM: NOVEMBER 2,2022 THROUGH NOVEMBER 1,2023**

RESOLUTION#	2022-810	
NAME OF BIDDER	CAPITAL STEEL SERVICE, LLC	MC'S WELDING & FABRICATION OF STRUCTURAL STEEL LLC.
ADDRESS	82 STOKES AVE	41 HOLLWOOD AVE
CITY, STATE, ZIP	TRENTON, NJ. 08638	TRENTON, NJ. 08609
CONTACT	SCOTT WHITE	MELVIN CRAWFORD
TELEPHONE	609-882-6983	609-575-0418
FAX	609-882-7458	609-393-0429
E-MAIL	SWHITE@CAPITALSTEELSERVICE.COM	MCSWELDINGFAB@GMAIL.COM
NJ SAVI	SMALL BUSINESS ENTERPRISE	MINORITY BUSINESS ENTERPRISE.

All mesh sheets shall be 6 x 6-W12 x W12, 42" wide x 96" long, rectangular shape and ASTM A496. Must be supplied in flat sheets, ROLLS WILL NOT BE ACCEPTED. Mill test certification is required. Price shall be based on per sheet.

MESH DIMENSIONS				MC'S WELDING	
				COST	
Line No.	Style	Width	Length	INSERT COST PER SHEET 42" WIDE x 96" LONG	
1	6 x 6-W12 x W12	42"	96"	\$	50.00

All C-Channels shall be ASTM 36. Price shall be based on per piece.

C-CHANNEL DIMENSION										CAPITAL STEEL
										COST
Line No.	inxlb/ft	Area (in ²)	d (in)	df (in)	ff (in)	tw (in)	I _{xx} (in ⁴)	I _{yy} (in ⁴)	xb (in)	INSERT COST PER PIECE (20' LONG)
1	C3x6	1.76	3	1.586	0.273	0.356	2.07	0.305	0.455	\$ 145.00
2	C4x7.25	2.13	4	1.721	0.296	0.321	4.59	0.433	0.459	\$ 165.00
3	C6x13	3.83	6	2.157	0.343	0.437	17.4	1.05	0.514	\$ 290.00

All hot rolled rounds shall be ASTM 36. Price shall be based on per piece.

HOT ROLLED ROUND DIMENSION			CAPITAL STEEL
			COST
Line No.	DIAMETER	Length	INSERT COST PER PIECE (20' LONG)
1	3/4"	20'	\$ 38.50

Steel Plates shall be ASTM 36. Price shall be based on per piece.

STEEL PLATE DIMENSION					CAPITAL STEEL
					COST
Line No.	Nominal Size				INSERT COST PER PIECE
	Thickness (inches)	Size (ft ²)	Weight lb/ft ²	Weight (lb)	
1	3/4"	4x4	30.6	489.6	\$ 530.00
2	3/4"	4x8	30.6	979.2	\$ 1,140.00
3	3/4"	4x10	30.6	306	\$ 1,595.00

All Angles shall be ASTM 36. Price shall be based on per piece

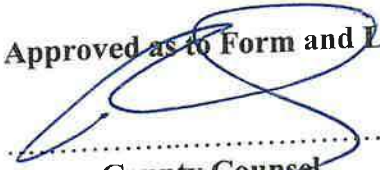
ANGLE DIMENSIONS								CAPITAL STEEL
Line No.	Designation	Depth	Width	Thickness	Sectional Area	Weight	I	INSERT COST PER PIECE (20' LONG)
		in	in	in	in**2	lb/ft	in**4	
1	L2 1/2 x 2 1/2 x 1/2	2.5	2.5	0.5	2.25	7.7	1.23	\$ 196.95
2	L2 1/2 x 2 1/2 x 3/8	2.5	2.5	0.375	1.73	5.9	0.984	\$ 150.85
3	L3 x 3 x 3/8	3	3	0.375	2.11	7.2	1.76	\$ 183.55
4	L4 x 4 x 3/8	4	4	0.375	2.86	9.8	4.36	\$ 254.35
5	L4 x 4 x 1/2	4	4	0.5	3.75	12.8	5.56	\$ 332.70
6	L4 x 4 x 5/8	4	4	0.625	4.61	15.7	6.66	\$ 450.00
7	L4 x 4 x 3/4	4	4	0.75	5.44	18.5	7.67	\$ 531.00
8	L5 x 5 x 3/8	5	5	0.375	3.61	12.3	8.74	\$ 340.15
9	L5 x 5 x 1/2	5	5	0.5	4.75	16.2	11.3	\$ 451.10
10	L5 x 5 x 5/8	5	5	0.625	5.86	20	13.6	\$ 714.20
11	L5 x 5 x 3/4	5	5	0.75	6.94	23.6	15.7	\$ 687.60

All Steel Flats shall be ASTM 36. Price shall be based on per piece.

STEEL FLAT DIMENSION				MC'S WELDING	CAPITAL STEEL
Line No.	Size	Weight	Weight	INSERT COST PER PIECE (20' LONG)	INSERT COST PER PIECE (20' LONG)
	in inches	per foot in lbs.	20' Length in lbs.		
1	1/2" x 3	5.1	102		\$ 127.17
2	5/8"x3	6.38	127.5		\$ 159.70
3	3/4"x3	7.65	153		\$ 192.23
4	1"x3	10.2	204		\$ 280.95
5	1 1/4"x3	12.75	255		\$ 436.22
6	1 1/2"x3	15.3	306		\$ 524.94
7	2" x 3	20.4	408	\$ 813.00	
8	1/2" x 4	6.8	136		\$ 170.05
9	5/8"x 4	8.5	170		\$ 211.45
10	3/4"x 4	12.75	255		\$ 254.34
11	1"x 4	13.6	272		\$ 340.10
12	1 1/4"x 4	17	340		\$ 539.73
13	1 1/2"x 4	20.4	408		\$ 694.99
14	2" x 4	27.2	544	\$ 1,078.00	
15	1/2" x 5	8.5	170		\$ 212.93
16	5/8"x 5	10.63	212.6		\$ 266.17
17	3/4"x 5	12.75	255		\$ 317.92
18	1"x 5	17	374		\$ 428.82
19	1 1/4"x 5	21.25	425		\$ 776.32
20	1 1/2"x 5	25.5	510		\$ 928.62
21	2" x 5	34	680		\$ 1,234.71
22	1/2" x 6	10.2	204		\$ 251.38
23	5/8"x 6	12.75	255		\$ 317.92
24	3/4"x 6	15.3	306		\$ 384.46
25	1"x 6	20.4	408		\$ 510.15
26	1 1/4"x 6	25.5	510		\$ 931.58
27	1 1/2"x 6	30.6	612		\$ 1,116.42
28	2" x 6	40.8	816		\$ 1,486.09
29	1/2" x 7	11.9	238		\$ 295.74
30	5/8"x 7	14.88	297.6		\$ 439.17
31	3/4"x 7	17.85	357		\$ 487.97
32	1"x 7	23.8	476		\$ 702.38
33	1 1/4"x 7	29.75	595		\$ 1,086.84
34	1 1/2"x 7	35.7	714		\$ 1,301.26
35	2" x 7	47.6	952		\$ 1,730.08

Approved as to Form and Legality

Date



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County Counsel

November 21, 2022.....

PARTIAL AWARD OF BID RECEIVED AUGUST 23, 2022 TO MULTIPLE VENDORS FOR STEEL FOR THE MERCER COUNTY DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE PERIOD: YEAR NOVEMBER 2, 2022 TO NOVEMBER 1, 2023 WITH AN OPTION TO EXTEND FOR ONE (1) YEAR. AMOUNT NOT TO EXCEED \$125,000.00 (AB2022-45).

WHEREAS, the Mercer County Purchasing Department has advertised for bids for Steel for the Mercer County Department of Transportation and Infrastructure for the County of Mercer for a period of one (1) year with an option to extend FOR ONE (1) year; based upon the index rate as per bid terms and specifications as provided by law; and,

WHEREAS, two (2) sealed bids were received on August 23, 2022 in connection with the aforementioned services; and,

WHEREAS, the bidders hereinafter designated are the lowest qualified bidders; and,

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Clerk to the Board

RECORD OF VOTE													
COMMISSIONERS	Aye	Nay	N.V.	Abs.	Res.	Sec.	COMMISSIONERS	Aye	Nay	N.V.	Abs.	Res.	Sec.
Cimino	X						Stokes	X					
Frisby				X			Walter	X					
Koontz				X			Melker	X					
McLaughlin	X					X							

X—Indicates Vote Abs.—Absent N.V.—Not Voting
 Res.—Resolution Moved Sec.—Resolution Seconded

WHEREAS, the bids received from the following vendors shall be awarded for a period of one (1) year with an option to extend one for one (1) year in the total amount of \$125,000.00 as follows:

CAPTIAL STEEL SERVICE INC.
82 STOKES AVE.
TRENTON NJ. 08638

MC. WELDING & FABRICATION
41 HOLLYWOOD AVE.
TRENTON, NJ. 08609

WHEREAS, the Chief Financial Officer of Mercer County has certified in writing the availability of funds for the purposes set forth in this Resolution, said certification is on file with the Clerk to the Board, and such funds are available in the 2022 Mercer County Budget and are contingent upon the inclusion in and adoption of the 2023 Mercer County Budget; now, therefore,

BE IT RESOLVED, that the County Executive and Clerk to the Board are hereby authorized to execute said contracts when presented in a form approved by County Counsel; and,

BE IT FURTHER RESOLVED, that the Clerk to the Board shall forward a copy of this Resolution to the Mercer County Purchasing Department for further distribution.



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Clerk to the Board

SPECIFICATIONS FOR STEEL FOR THE MERCER COUNTY DEPARTMENT OF TRANSPORTATION AND INFRASTRUCTURE

The County of Mercer requests bids for **HOT ROLLED STEEL AND STEEL BEAMS, REINFORCING BAR (REBAR) and REINFORCING WIRE MESH SHEETS** for the Department of Transportation for a period of one year with an option to extend one (1) year based upon the index rate. The following materials and corresponding price lines as listed below are required under this request for bid, RFB. Materials shall be in accordance with the specifications listed herein for each type of steel product. All Standard Mill Tolerances are acceptable except as noted. All HOT ROLLED STEEL BEAM material must meet **ASTM A992** grade or better as per specifications listed on price lines. All HOT ROLLED STEEL material must meet **ASTM A36**. All REINFORCING BAR material must meet **ASTM A615**. All REINFORCING WIRE MESH SHEET material must meet **ASTM A496**. Mill Test Certification is required with shipments. There is no price adjustment permitted. The County reserves the right to award multiple contracts based upon the lowest cost per beam. The County has budgeted \$125,000.00 for the purchase of steel for a period of one (1) year. The new contract shall commence November 2022. **Please send all questions to ohibbert@mercercounty.org or via the BidNet portal by August 12, 2022.**

All beams will require two (2) rows of shear studs (3/4" x 4 3/16" welded to the top flange only), 4 1/2" apart and staggered. There are no studs in the last 18" (each end). All steel must be hot dipped galvanized after fabrication, ASTM A123. Studs are not a pay item. The cost of the studs shall be included in the price of the beams. Please refer to the enclosed proposal pages and insert the unit cost per beam.

Below is a list of the bar size designations that the County of Mercer requests bids for. All rebar shall be 20' long. The material must be ASTM A615, Grade 60. Prices are based on 20' long piece. Please refer to the enclosed proposal pages and insert the unit cost per 20' piece.

ENGLISH BAR SIZE DESIGNATION	METRIC BAR SIZE DESIGNATION
No. 4	13
No. 5	16
No. 6	19
No. 8	25

All mesh sheets shall be 6 x 6-W12 x W12, 42" wide x 96" and rectangular in shape. The material must be ASTM A496. Prices are based on the 42" wide x 96" long sheet. Please refer to the enclosed proposal pages and insert the unit cost per sheet. Must be supplied in flat sheets, ROLLS WILL NOT BE ACCEPTED.

Hot rolled steel (C-Channel, Angles, Hot Rolled Rounds, Steel Plates, and Steel Flats) shall be ASTM 36 and all lengths shall be 20 ft., except the steel plates.

Hot Rolled Rounds

Specifications: ASTM A36

AKA: HR round, round bar

Applications: frame work, braces, supports, shafts, axels, etc.

Workability: Easy to Weld, Cut, Form, and Machine

Mechanical Properties: Brinell = 112, Tensile = 58-80,000 +/-, Yield = 36,000 +/-

How is it measured? Diameter (A) X Length

3/4 inch Dia. Round Bar

Steel Flat

Specifications: ASTM A569 (1/8" - 3/16"), ASTM A36 (1/4" & over)

AKA: HR steel flat bar, steel strip, steel rectangle

Applications: frame work, braces, supports, plates, straps, etc.

Workability: Easy to Weld, Cut, Form, and Machine

Mechanical Properties: Brinell = 112, Tensile = 48-80K +/-,

Yield = 35-36K +/-

How is it measured? Thickness (A) X Width (B) X Length

Available Stock Sizes: 2ft, 4ft, 6ft, 8ft, 10ft, 20ft or Cut to Size

The proposal pages consist of specific dimensions with spreadsheets for each dimension.

Vendors are not required to submit bids for all line items and may submit a partial bid.

Bidders are required to provide prices as FOB destination to the specific delivery location stated in this RFB. Bidders shall provide three references.

PROPOSAL PAGES

The proposal pages shall be included in this bid specification and posted on the County website in EXCEL format. Please download the EXCEL spreadsheets and insert the unit costs. The County reserves the right to award multiple contracts based upon unit pricing.

ORDERING AND INVOICING

Orders placed by Using Agency will be priced based on the line item bid price. Invoices must reflect the bid price. Delivery must be made within three weeks from receipt of a purchase order.

DELIVERY LOCATION:

County of Mercer County

Transportation Facility

Building No.1

300 Scotch Road, West Trenton, NJ 08628

ORDER QUANTITIES:

There are no minimum order quantities for the D.O.T.

DELIVERY HOURS:

Deliveries will be accepted from Monday through Friday, excluding all County holidays, from 8:00 am to 2:30 pm. No deliveries are acceptable after 2:30 pm or on weekends. Twenty four (24) hour advance notice is to be given prior to delivery.

DELIVERY:

Delivery shall be made within three weeks after receipt of a purchase order. In the event the ordered materials are not delivered within twenty-eight (28) calendar days after receipt of order (A.R.O.), the County shall authorize the agency to secure the total amount of the requested delivery from any available source, the difference in price to be paid directly by the defaulting contractor. Delivery shall be F.O.B. destination to:

**County of Mercer County
Transportation Facility
Building No. 1
300 Scotch Road
West Trenton, NJ 08628**

LOADING/PACKING:

Beams, rebar, and mesh sheets must be unloaded and placed on wooden pallets or on 4" x 4" lumber at the time of delivery. The pallets and 4" x 4" will remain the property of the County. They shall not be placed on the ground.

PACKING SLIP

An itemized, complete packing list must accompany all shipments along with required mill test certifications.

QUALITY ASSURANCE:

Contractor is required to protect all material and to deliver it to the location specified on the Purchase Order in an undamaged condition. If the delivery does not conform to the specifications or is in a damaged condition, the County reserves the right to reject the entire lot.

PLACE OF MANUFACTURE:

Only manufactured products of the United States, wherever available, shall be used on this contract. Bidders shall submit a statement of origin with their bid document.