

**ITEM A-34-23, A-35-23, A-36-23, A-37-23, A-38-23, A-39-23, A-40-23, A-41-23
CABLE, BOX & CORRUGATED BEAM TYPE GUIDE RAIL & BRIDGE & BOX CULVERT RAILING
DATED: JANUARY 2023
CONTRACT PERIOD: 3/31/23 - 03/30/24**

INTENT

It is the intent of this bid proposal to solicit bids for the components necessary to construct new cable, box beam and corrugated beam type guide rail, and new two-rail and four rail bridge railing and two rail box culvert railing.

MATERIAL SPECIFICATIONS

All components supplied under this specification will meet or exceed all material requirements as set forth in Section 710-20 Corrugated Beam Guide Railing, Section 710-21 Box Beam Guide Railing, Section 710-22 Cable Guide Rail, and Section 710-23 Steel Bridge and Culvert Railing of the Standard Specifications, Construction and Materials, Office of Engineering, New York State Department of Transportation. The components will also meet size, weight, and dimensions as depicted on N.Y.S. Department of Transportation Standard Sheets. Where a reference is made in these specifications to any other specification, standard or drawing, it shall mean that specification, standard or drawing which is current on the date of advertisement for bids.

PRICE

The price is net delivered to the Montgomery County Department of Public Works, Fonda, NY. So separate payment will be made for transportation.

OTHER MUNICIPALITIES

All provisions of this specification and the ensuing contract, including insurance, shall be extended to all municipalities in the County of Montgomery, and work ordered by them, shall be furnished according to their needs at the prices and terms of the contract.

PAYMENTS

Payments cannot be processed until the contract items have been delivered in satisfactory condition. Payment will be based on an invoice used in the supplier's normal course of business; however, such invoice must contain sufficient data, including, but not limited to description of material, quantity, unit, and price per unit.

PURCHASE ORDERS

Purchase orders are effective and binding upon the contractor when placed in the mail, addressed to the contractor at their business address.

DELIVERY

The contractor shall make delivery within 60 days of receipt of the purchase order. Delivery is expressed in number of calendar days required to make delivery.

TEST REPORTS

Contractors shall supplier, upon request, a certified test report for tensile strength, yield point, or any other parameters specified in the document.

BID PRICE

On this proposal, the bidder may indicate a price for any all items listed herein.

AWARD OF BID

Each item, A-34-23, A-35-23, A-36-23, A-37-23, A-38-23, A-39-23 and A-40-23 will be awarded to the lowest qualified bidder. The Commissioner of Public works of the County of Montgomery reserves the right to reject any and all proposals, or to waive minor informalities, to advertise for new proposals or to proceed to do the work otherwise, if in his opinion, the best interests of the County will thereby be promoted.

CONTRACT EXTENSION

The County reserves the right to extend any contract issued, based on this specification, under the same terms and conditions, for a one year period from date of expiration, provided such extension is mutually agreeable to both County and Contractor.

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Deliver Proposals to: Montgomery County Purchasing Agent
P.O. Box 1500
Fonda, NY 12068-1500

Sir:

The undersigned has read and understands the information and instructions to bidders and the specifications for the furnishing of Items A-34-23, A-35-23, A-36-23, A-37-23, A-38-23, A-39-23 and A-40-23 Cable, Box Beam & Corrugated Beam Type Guide Rail & Bridge & Box Culvert Railing and proposes to furnish and deliver the items at the cost shown on the attached sheets.

This proposal is subject to acceptance within forty-five (45) days of the time set for the opening of bids.

FIRM NAME: _____

ADDRESS: _____

TELEPHONE: _____

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

NAME AND TITLE: _____

DATE: _____

BIDDERS FEDERAL ID NO.
OR SOCIAL SECURITY NO.: _____

IS FIRM INCORPORATED? _____

IS FIRM MINORITY OWNED? _____

(Minority ownership refers to ethnic origin NOT gender)

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PROPOSAL OF: _____

ITEM A-34 - CABLE RAILINGS

<u>Item Description</u>	<u>Unit</u>	<u>Unit Price</u>
Group #01 Cable, 3/4" Round Wire, 3-strand, 7 wires/strand	L.F.	_____
Group #02 Hook Bolts, 5/16" x 1-3/4" long w/2 nuts	Ea.	_____
Group #03 Turnbuckle End Assembly Complete w/Wedge	Ea.	_____
Group #04 Spring End Assembly Complete w/Wedge	Ea.	_____
Group #05 End Post Cap Complete	Ea.	_____
Group #06 End Post Ground Support Complete	Ea.	_____
Group #07 Driveway End Post Cap	Ea.	_____
Group #08 Concrete Anchor w/Anchor Angle Complete	Ea.	_____
Group #09 Breakaway Anchor Angle w/Keeper Rod	Ea.	_____
Group #10 Cable Splice w/2 Wedges	Ea.	_____
Group #11 Delineator Complete	Ea.	_____
Group #12 Delineator Complete	Ea.	_____
Group #13 Cable Clamp for 3/4" Cable	Ea.	_____
Group #14 Wedge	Ea.	_____

ITEM A-35 - BOX BEAM GUIDE RAILING

<u>Item Description</u>	<u>Unit</u>	<u>Unit Price</u>
Group #01 Hollow Structural Steel Tubes, 6"x6"x3/16"		
a. 18'	Ea.	_____
b. 24'	Ea.	_____
c. 30'	Ea.	_____

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ITEM A-35 BOX - BEAM GUIDE RAILING (Continued)

d. 36'	Ea.	_____
e. 18' curved to 205.25' radius	Ea.	_____
f. 18' curved to 35' radius	Ea.	_____
g. 24' curved to 205.25' radius	Ea.	_____
h. Special Radius Curve	L.F.	_____
i. 16' (BDD 89-52)	Ea.	_____
j. 9'3" (BDD 89-52)	Ea.	_____
Group #02 Angle, 5"x3-1/2"x3/8"x4-1/2" long w/3"x7/16" Slot	Ea.	_____
Group #03 Angle, 5"x3-1/2"x3/8"x4-1/2" long w/2"x5/8" Slot	Ea.	_____
Group #04 Type I End Assembly Including End Post w/Mounting Hardware	Ea.	_____
Group #05 Type I A End Assembly Including End Posts with Mounting Hardware	Ea.	_____
Group #06 End Cover Plate, Drive Fit	Ea.	_____
Group #07 Splice Plate w/Tapped Bolt Holes	Ea.	_____

ITEM A-36 - POSTS **OUT TO BID IN 2023**

Item Description

Group #01 Universal Post S3 x 5.7 x 5'-3" w/Soil Plate	Ea.	_____
Group #02 Universal Post S3 x 5.7 x 5'-3" w/out Soil Plate	Ea.	_____
Group #03 Universal Post S3 x 5.7 x 7'-0" w/Soil Plate	Ea.	_____
Group #04 Universal Post S3 x 5.7 x 7'-0" w/out Soil Plate	Ea.	_____
Group #05 End Post, Type I, S3 x 5.7 x 3'-11" w/Soil Plate	Ea.	_____
Group #06 End Post, Type II, S3 x 5.7 x 2'-9" w/Soil Plate	Ea.	_____
Group #07 Post Assembly for Bridge 4-Rail 3'-6" long w/all Necessary Rail Mounting Hardware	Ea.	_____
Group #08 Post Assembly for Bridge 2-Rail 3'-0" long w/all Necessary Rail Mounting Hardware	Ea.	_____

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ITEM A-36 - POSTS (Continued)

Group #09 Post Assembly for Bridge 2-Rail 2'-6 1/8" long w/all Necessary Rail Mounting Hardware	Ea.	_____
Group #10 Post Assembly for Box Culvert 2-Rail W6 x 25 with 9"x 1"x 1'0" Base Plate w/all Necessary Rail Mounting Hardware	Ea.	_____
Group #11 Heavy Post W6 x 8.5 - 5'6" lg. w/out Soil Plate + Two Block-Out Tubes 8"x6"x1/4"- 6" long & All Mounting Hardware	Ea.	_____
Group #12 Heavy Post W6 x 8.5- 5'6" lg. w/Soil Plate + Offset Beam W6 x 8.5- 14" lg. & mounting hardware	Ea.	_____
Group #13 Heavy Post W6 x 8.5- 5'6" lg. w/out Soil Plate + Offset Beam W6 x 8.5- 14" lg. & mounting hardware	Ea.	_____
Group #14 Heavy Post W6 x 8.5 - 5'6" lg. w/Soil Plate	Ea.	_____
Group #15 Heavy Post W6 x 8.5 - 5'6" lg. w/out Soil Plate	Ea.	_____
Group #16 Block Out Tube 8" x 6" x 1/4"- 6" lg.	Ea.	_____
Group #17 Offset Beam W6 x 8.5 - 14" lg.	Ea.	_____

ITEM A-37 - HEX BOLTS, NUTS, WASHERS, CARRIAGE BOLTS & ANCHOR STUDS **OUT TO BID IN 2023**

<u>Item Description</u>	<u>Unit</u>	<u>Unit Price</u>
Hex Bolts		
Group #01 5/16" Dia. 1-3/4" long	Ea.	_____
Group #02 5/16" Dia. 8" long, ASTM A325	Ea.	_____
Group #03 3/8" Dia. 7" long	Ea.	_____
Group #04 3/8" Dia. 8" long	Ea.	_____
Group #05 3/8" Dia. 9-1/2" long	Ea.	_____
Group #06 1/2" Dia. 1-1/2" long	Ea.	_____
Group #07 3/4" Dia. 2" long	Ea.	_____
Group #08 3/4" Dia. 8" long	Ea.	_____

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ITEM A-37 - HEX BOLTS, NUTS, WASHERS, CARRIAGE BOLTS & ANCHOR STUDS (Continued)

Group #09 5/8" Dia. 1-1/2" long	Ea.	_____
Group #10 5/8" Dia. 2" long	Ea.	_____
Group #11 5/8" Dia. 2-1/2" long	Ea.	_____
Group #12 5/8" Dia. 5-1/2" long	Ea.	_____
Group #13 3/4" Dia. 7-1/2" long	Ea.	_____
Group #14 5/16" Dia. 1-1/2" long w/ 5/8" unthreaded	Ea.	_____
Group #15 5/8" Dia. 1-1/2" long w/ 5/8" unthreaded	Ea.	_____

Hex Nuts

Group #16 5/16" Dia.	Ea.	_____
Group #17 3/8" Dia.	Ea.	_____
Group #18 1/2" Dia.	Ea.	_____
Group #19 5/8" Dia.	Ea.	_____
Group #20 3/4" Dia.	Ea.	_____
Group #21 7/8" Dia.	Ea.	_____
Group #22 1" Dia.	Ea.	_____

Flat Washers

Group #23 5/16" Dia.	Ea.	_____
Group #24 3/8" Dia.	Ea.	_____
Group #25 1/2" Dia.	Ea.	_____
Group #26 5/8" Dia.	Ea.	_____
Group #2 3/4" Dia.	Ea.	_____
Group #28 7/8" Dia.	Ea.	_____
Group #29 1" Dia.	Ea.	_____

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ITEM A-37 - HEX BOLTS, NUTS, WASHERS, CARRIAGE BOLTS & ANCHOR STUDS (Continued)

Group #30 Type A, ASA 2" O.D. 13/16" I.D. Ea. _____

Lock Washers

Group #31 5/16" Dia. Ea. _____

Group #32 5/8" Dia. Ea. _____

Group #33 3/4" Dia. Ea. _____

Carriage Bolts

Group #34 3/4" Dia. 8" long Ea. _____

Threaded Anchor Studs

Group #35 7/8" Dia. x Cut Length L.F. _____

Group #36 1" Dia. x Cut Length L.F. _____

ITEM A-38 - BRIDGE RAIL 7 ACCESSORIES

OUT TO BID IN 2023

<u>Item Description</u>	<u>Unit</u>	<u>Unit Price</u>
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Rail Tubes

Group #01 Rail Tube 5" O.D. x 1/4"	L.F.	_____
Group #02 Rail Tube 5" x 3" x 1/4"	L.F.	_____
Group #03 Rail Tube 3" x 3" x 3/16"	L.F.	_____

Splice Plates & Clamps

Group #04 Splice Plate 3'0" x 4" w/threaded holes	Ea.	_____
Group #05 Splice Plate 1'6" x 4" w/threaded holes	Ea.	_____
Group #06 Splice Tube 4-1/4" O.D. x 0.588" w/threaded holes	Ea.	_____
Group #07 Splice Channel 1'6" x 2-1/2" x 2-1/2" w/nuts	Ea.	_____
Group #08 Angles Splice Tuve 5" x 5" x 5/16"	Ea.	_____
Group #09 Rail Clamp 3-3/4" x 3-1/4" w/nut	Ea.	_____

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ITEM A-38 - BRIDGE RAIL 7 ACCESSORIES (Continued)

Group #10 Splice Plate 3'0" x 4" to 5" w/threaded holes Ea. _____

End Caps

Group #11 End Cap 3" x 5" Ea. _____

Group #12 End Cap 3" x 3" Ea. _____

Group #13 End Cap 5" Dia. Ea. _____

ITEM A-39 - RAIL CONNECTORS **OUT TO BID IN 2023**

<u>Item Description</u>	<u>Unit</u>	<u>Unit Price</u>
Group #01 4-Rail to Box Beam Transition Assembly	Ea.	_____
Group #02 2-Rail to Box Beam Transition Tube	Ea.	_____

ITEM A-40 - CORRUGATED BEAM GUIDE RAIL **OUT TO BID IN 2023**

<u>Item Description</u>	<u>Unit</u>	<u>Unit Price</u>
Group #01 Corrugated Beam Rail		
a. Standard Rail 13'6-1/2" lg.	Ea.	_____
b. Anchorage Rail 13'6-1/2" lg. w/10-1" Dia. Holes	Ea.	_____
c. Shop Curved Driveway Rail	Ea.	_____
d. Additional charge for Shop Curved Radius on (#01 a.) Standard Rail 13'6-1/2" lg.		
Curved Radius 5 ft. - 9 ft.	Ea.	_____
Curved Radius 10 ft. - 19 ft.	Ea.	_____
Curved Radius 20 ft. & up	Ea.	_____
Group #02 Backup Channel MC 8 x 18.7	L.F.	_____
Group #03 Terminal Section 27-1/2" lg.	Ea.	_____
Group #04 Concrete Anchor w/8-3/4" Dia. Rods & Nuts	Ea.	_____

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ITEM A-40 - CORRUGATED BEAM GUIDE RAIL (Continued)

Group #05 Square Washer 1-3/4" x 1-3/4" w/ 3/8" Dia. Hole	Ea.	_____
Group #06 Flat Plate Washer 3" x 1-3/4" w/ 11/16" Dia. Hole	Ea.	_____
Group #07 Corrugated Backup Plate 12" log. w/ 3/4" x 2-1/2" Slot	Ea.	_____
Group #08 Splice Bolt 5/8" Dia. w/Recessed Nut	Ea.	_____
Group #09 Mounting Bracket for A & C Posts	Ea.	_____
Group #10 Mounting Bracket for B Posts	Ea.	_____

ITEM A-41 - Guide Rail installation labor and equipment for County supplied materials

Intent: Bidders are requested to submit a price to perform Guide Rail installation where the County supplies all materials needed to perform the work. The bid item A-41 will be awarded to the lowest responsible bidder meeting specifications.

The County will furnish all guide rail, end sections, posts, anchor units and hardware needed to complete the work.

Utility Stake Outs: The Contractor shall be responsible for all utility stakeouts required in performance of the work.

Cleanliness: Upon completion of the work at each location, the Contractor shall leave the area that may have been affected by his/her operations in a neat and orderly condition.

Maintenance of Traffic: The Contractor shall at all times conduct his/her operations in a manner to insure convenience of all travelers and the abutting property owners and their safety as well as the safety of his/her own employees. Such conduct shall include, but not limited to, insuring that all materials and equipment are removed from the work site during non-working hours or are stored in such a manner that they shall not constitute a traffic hazard. The Contractor shall follow, but not be limited to, the New York State Manual for Uniform Traffic Control Devices as it pertains to the safety and maintenance of traffic at the work sites in connection with this contract. All work performed under this paragraph shall be at the Contractor's expense at no additional cost to the County.

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Bidder Qualifications: Only Contractors with a minimum of five (5) years' experience with guide rail installation are eligible to bid on this work. Upon request, the bidder must present evidence of experience, ability, and financial standing, as well as a statement as to equipment and personnel.

Measurement and Payment: the measurement and payment will be based on the lineal foot of rail installed /reset.

Installation with County Supplied Materials:

- Box Beam Guide Railing price per lineal foot: \$ _____
- Box Beam Guide Railing price per lineal foot: \$ _____
(Shop Curved)
- Corrugated Beam Guide Rail price per lineal foot: \$ _____
- Corrugated Beam Guide Rail price per lineal foot: \$ _____
(Shop Curved)
- Corrugated Beam Guide Rail price per lineal foot: \$ _____
(With extra-long posts)
- Anchorage Units for
Corrugated Beam Guide Rail price to install each: \$ _____