

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

A. CABLE GUIDE RAILING Drawings 606-1R2 & 606-2R2

All materials furnished under this contract shall comply with the latest detailed specifications of the NYSDoT, except as noted.

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
CG-01	3/4" Round Wire Cable, three (3) strands of seven(7) wires each, AASHTO, M-30, Type I, Class A: (Please state minimum amount of cable that may be ordered, i.e., how much on a reel?)	/per foot Minimum Order _____
CG-02	Concrete Anchors with breakaway angle, hardware and two (2) top mounted independent rebar lift points	/each
CG-03	Spring and Turnbuckle Cable and assembly, compensating device	/each
CG-04	Steel Turnbuckle Cable end assembly	/each
CG-05	S3 x 5.7 Universal weak post, 5'3" long, with soil plate	/each
CG-06	S3 x 5.7 Universal weak post, 5' 3" long, without soil plate	/each
CG-07	End Post Cap with bolt	/each
CG-08	Driveway End Post Cap with bolt	/each
CG-09	Ground Bearing Angles assembly	/each
CG-10	Hook Bolt with shoulder & nut or 2 nuts	/each
CG-11	Reflective Delineator with mounting hardware	/each
CG-12	Cable Splice with wedges	/each
CG-13	Spare Wedges for all splices and cable fittings	/each
CG-14	Cable clamp for 3/4" cable	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

B. CORRUGATED BEAM GUIDE RAILING AND ACCESSORY HARDWARE

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
GR-25	Galvanized W-Beam rail; 13'- 6-2" in length by 12-1/4" in height by 3-1/4" in width; 8 standard splice bolt slots on each end; std. post bolt slots at 3' x 1- 2" O.C., 105 inches thick	/each
GR-26	Galvanized W-Beam rail; as above except standard post bolt slots 6' 3" O.C.	/each
GR-27	Galvanized W-Beam rail; Shop bent radius (R); as above with standard post bolt slots 6' 3" O.C., with a 5 to 15 degree radius	/each
GR-27-A	Galvanized W-Beam rail; Shop Bent radius (R), as above with standard post bolt slots 6' 3" O.C., with a 20 to 50 degree radius	/each
GR-27-B	Galvanized W-Beam rail; Shop Bent radius (R), as above with standard post bolt slots 6' 3" O.C., with a 50 to 150 degree radius	/each
GR-28	Galvanized W-Beam rail; as above with standard post bolt slots 6' 3" O.C., with 10 (1" dia.) at 3" O.C. on one end for mounting to std. concrete anchor	/each
GR-29	Galvanized W-Beam rail; as above shop bent, twisted and bored for mounting to concrete anchor within one section for typical driveway installations;	/each
GR-30	Galvanized Rounded End Section	/each
GR-31	Galvanized Flared End Section	/each
GR-32	Galvanized Terminal Connector Parapet	/each
GR-33	5/8" x 1" Galvanized splice bolts with 5/8" x 7/8" oval shoulder including oversize nut (1-1/4" across flats) as per NYSDoT drawing 606-6R1.	/100
GR-34	5/8" dia. by 1-2" Galvanized hex head bolts with nuts and flat washers for mounting guide rail and black-outs to heavy posts as per NYSDoT drawing 606-8R1	/100
GR-35	Rectangular Flat plate washers per NYSDoT drawing 606-8R1	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

B. CORRUGATED BEAM GUIDE RAILING AND ACCESSORY HARDWARE (cont'd)

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
GR-36	Back up plate per NYSDoT drawing 606-8R1	/each
GR-37	5/8" dia. by 2" Galvanized Button head bolts with nuts and flat washers for mounting "W-beam" to heavy post block outs	/100
GR-38	Turn down post mounting brackets. Set consists of one each of type "A", "B" and "C" brackets per NYSDoT 606-8R1	/set
GR-39	W6 x 8.5 or W6 x 9 standard heavy post, 5' 6" long, with soil plate as per NYSDoT drawing 606-8R1	/each
GR-40	W6 x 8.5 or W6 x 9 standard heavy post, 5' 6" long, without soil plate as per NYSDoT drawing 606-8R1	/each
GR-41	W6 x 8.5 or W6 x 9 by 14" offset beam (block out) as per NYSDoT drawing 606-8R1	/each
GR-42	5/16" dia. by 1-2" hex head Galvanized bolts with nuts, Detail "M" square washer, and flat washers for mounting guide rail to weak post per NYSDoT drawing 606-8R1	/100
GR-43	S3 x 5.7 weak universal post, 5' 3" long, with soil plate	/each
GR-44	S3 x 5.7 weak universal post, 5' 3" long, without soil plate	/each
GR-45	Concrete anchor with galvanized nuts and washers as per NYSDoT drawing 606-8R1	/each
GR-46	Ground Bearing angle set consisting of two x 3 x 1/4 angles and two 3/4" x 4 2" hex bolts w/nut and 2 flat washers as per NYSDoT drawing 606-8R1	/100
GR-47	2" x 1 2" Hex Bolt with 2 nuts for W-Beam support on S3 x 5.7 post	/100
GR-48	10 gauge Galvanized W-Beam type white diamond taped one side reflective delineator	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

C. TRANSITION SECTION TO W-BEAM

Transition from curbless two rail bridge railing using "Tuning Fork" to corrugated W-Beams guide railing (Ref. BDD 82-45)

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BC-50	Two rail end section Tuning fork, special drilled	/each
BC-51	MC 8 x 18.7 channel x 15', special cut and drilled	/each
BC-52	Corrugated W-Beams end section parapet, special drilled	/each
BC-53	12' 6" Corrugated W-Beam panel, punched for post spacing of 3' 1-2" O.C., special cut and drilled end to mate with above Components (SEE **NOTE)	/each
BC-54	3/4" x 8" Hex Head Bolt with nut and 2 flat washers, (quantity of 10 + 1 spare), required per assembly	/each
BC-55	1-2" x 4" Bar Splice w/bolts (2 required per assembly)	/each
BC-56	Complete Unit, includes one each of BC-50, 51, 52, 53, two BC-55 and eleven BC-54.	/unit

****NOTE:** BC-53 is special cut and drilled W-Beam panel and is not the same panel used to mount to concrete anchors.

NOTE: Some items are taken from an old Guide Rail Spec., and will be used to replace damaged rail, as needed.

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

**D. BOX BEAM GUIDE RAILING NYSDOT DRAWING 606-3R4, 606-04
AND (606-20, 1/1/2009)**

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BB-100	Box Beam Guide Rail, 6" x 6" x 3/16" straight lengths of 12', 18', 24', 30' or 36'	/foot
BB-101	Box Beam Guide Rail, 6" x 6" x 3/16" shop curve 205' radius, lengths 24' or 36'	/foot
BB-102	Box Beam Guide Rail, 6" x 6" x 3/16" shop curve, radius 20' and larger, lengths of 12', 18', 24', 30', and 36'	/foot
BB-103	Box Beam Guide Rail, 6" x 6" x 3/16" shop curve, radius under 20'; lengths of 12', 18', 24' and 30'	/foot
BB-104	Box Beam Type 1 end section, approx. 7-2' long	/each
BB-105	S3 x 5.7 Anchor Post for Type I end, with special end shelf angle, two 2" x 1-2" hex bolts w/nut & flat washer and on 3/4" x 8" hex bolt w/nut & flat washer	/each
BB-106	Box Beam Type II end section, approx. 9' long	/each
BB-107	Two S3 x 5.7 Anchor posts for Type II end, with 3/8" x 10" hex bolt w/nut and 2 flat washers	/each
BB-108	Straight splice plate pair with eight 3/4" x 1-2" A325 hex bolts and 7844 Type A flat washers	/pair
BB-109	Angled Splice Plate pair with eight 3/4" x 1-2" A325 hex bolts and 7844 Type A flat washers; (specify 2, 4, or 6 degree angle)	/pair
BB-110	Standard shelf angle for box beam rail	/each
BB-111	Hex Bolt 3/8" x 7-2" w/nut and 2 flat washers	/each
BB-112	Hex Bolt 2" x 1-2" w/nut and flat washer	/each
BB-113-A	S3 x 5.7 Universal Post 5' 3" length, with spade (Same as GR-43)	/each
BB-113-B	S3 x 5.7 Universal Post 5' 3" length; without spade (Same as GR-44)	/each
BB-114	Transition from box beam to "W" Beam per NYSDOT Drawing 606-15R1	/each
BB-115	8' Tapered Wall Connection for Box Beam	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

D. BOX BEAM GUIDE RAILING NYSDOT DRAWING 606-3R4 AND 606-04 (cont'd)

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BB-116	Single Tube Wall Connection for Box Beam	/each
BB-117	9' 11" special double bent kick-back for Box Beam Rail (when standard 9' 3" kick-back is not possible due to little or no clearance on the back side of rail)	/each
BB-118	Single Bend Tube Splice	/each
BB-119	3/8" x 10@ bolt with 2 flat washers & nuts for Type 2 end section	/each
BB-120	3/4" x 1-2@ A325 hexbolt with type A flat washer	/each
BB-121	Special Shelf angle for Type I End	/each
BB-122	3/8" hot dip galvanized nuts	/100 ct
BB-123	1/2" hot dip galvanized nuts	/100 ct
BB-124	5/8" hot dip galvanized nuts	/100 ct
BB-125	3/4" hot dip galvanized nuts	/100 ct
BB-126	3/8" hot dip galvanized Washers	/100 ct
BB-127	1/2" hot dip galvanized Washers	/100 ct
BB-128	5/8" hot dip galvanized Washers	/100 ct
BB-129	3/4" hot dip galvanized Washers	/100 ct
BB-130	S3 x 5.7 Universal Post 7' length; with spade (See NYSDOT 606-04 Box Beam Guide Rail Sheet 3 of 4 DETAIL ELEVATION POST 1, 2 & 4)	/each
BB-131	S3 x 5.7 Universal Post 7' length; without spade (See NYSDOT 606-04 Box Beam Guide Rail Sheet 3 of 4 DETAIL ELEVATION POST 1, 2 & 4)	/each
BB-132	1/2" x 8" Hex bolt with nut and 2 flat washers (See NYSDOT 606-04 Box Beam Guide Rail Sheet 3 of 4 DETAIL ELEVATION POST 1,2 & 4)	/each
BB-133	Special shelf angle fits Item BB-130 (See NYSDOT 606-04 Box Beam Guide Rail Sheet 3 of 4 BRACKET DETAIL POST 2 & 4)	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

E. TRANSITION SECTION TO BOX BEAM - Transition from two rail bridge railing to box beam as per NYSDOT Item 587.1002 (Ref. BD-RL 3E)

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BX-60	15' 11-1/4" special box beam top or bottom rail. (Quantity 2 required per unit)	/each
BX-61	7' 3" Tapered Transition sections (Quantity 2 required per unit)	/each
BX-62	9' 3" Box Beam end section, (Quantity 1 required)	/each
BX-63	6" x 8" Tube block out, 6" length, (Quantity 6 required per unit)	/each
BX-64	Bridge rail to tapered transition bar splice x 36" length (specify right/left) (2 required/unit)	/each
BX-65	3/4" x 5-7/16" standard (pair) box beam splice plates x 27" length with H.S. hardware, (2 pair required per unit)	/pair
BX-66	L5" x 3" x 1/2" x 3/8" Std. Box Beam shelf angle with bolts (12 required per unit)	/each
BX-67	5" x 3 2" x 3/8" Driveway end shelf angle with bolts (3 required per unit)	/each
BX-68	5" x 5" x 5/16" Dbl bend tube splice with bolts (1 required per unit)	/each
BX-69	W6 x 8.5 x 5 '6" Post punched for tube block out (3 required per unit)	/each
BX-70	S3 x 5.7 Universal post with spade, 5' 3" length (8 required per unit)	/each
BX-71	S3 x 5.7 Post 3'11" for box beam end section (1 required per unit)	/each

NOTE: Some items are taken from an old Guide Rail Spec. and will be used to replace damaged rail, as needed.

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

E-A. TRANSITION SECTION TO BOX BEAM - Transition from two rail bridge railing to box beam as per NYSDOT Item 587.1002 (Ref. BD-RL 3E)

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BX-72	Complete Unit, Includes BX-62, 68 and 71 = (1), BX-60, 61, 64 and 65 = (2), BX-67 and 69 = (3), BX-63 = (6), BX-70 = (8), BX-66 = (12), and the following hardware:	/unit
	**12 - 5/16" x 1/2" Bolt, nut, lock washer, and 2 flat washers	Included in above cost
	6 - 3/4" x 8" Carriage bolt, nut, lock washer and 2 flat washers	Included in above cost
	2 - 3/4" x 8" Hex Head bolt, nut lock washer and 2 flat washers	Included in above cost
	12 - 3/8" x 7-1/2" Hex Head bolt, nut, flat washer	Included in above cost
	16 - 1/2" x 1-1/2" Hex Head bolt, nut, flat washer	Included in above cost
	2 - 5/8" x 1-3/4" A325 Hex head bolt, lock washer, flat washer	Included in above cost
	16 - 3/4" x 1-1/2" A325 Hex head bolt, flat washer	Included in above cost

**NOTE: This bolt is specified shorter than the 1-3/4" length described in NYSDOT Item 587.1002. If this cannot be supplied add 3 additional flat washers per bolt, total 36 additional 5/16" flat washers.

NOTE: Some items are taken from an old Guide Rail Spec. , and will be used to replace damaged rail, as needed.

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

E-B. TRANSITION SECTION TO BOX BEAM - Transition from two rail bridge railing to box beam as per NYSDOT Item 587.1002 (Ref. BD-RL 3E)

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BX-73	¾" x 8" Carriage bolt, nut, lock washer, and 2 flat washers	/each
BX-74	22' x 11-1/2" special top transition rail as shown in drawing Double Box Bridge Rail	/unit
BX-75	23' x 7" special bottom transition rail as shown in drawing Double Box Bridge Rail	/unit
BX-76	Transition from 2 rail box or concrete barrier to single box beam rail kit to include: BX-74 = (1), BX-75 = (1), BX-62 = (1), BX-63 = (6), BX-65 = (2 pair), BX-66 = (14), BX-67 = (3), BX-68 = (1), BX-69 = (3), BX-70 = (8), BX-71 = (1), and the following hardware:	/unit
	**12 - 5/16" x 1-½" Bolt, nut, lock washer, and 2 flat washers	Included in above cost
	6 - ¾" x 8" Carriage bolt, nut, lock washer and 2 flat washers	Included in above cost
	2 - ¾" x 8" Hex Head bolt, nut lock washer and 2 flat washers	Included in above cost
	12 - 3/8" x 7-1/2" Hex Head bolt, nut, flat washer	Included in above cost
	16 - 2" x 1-1/2" Hex Head bolt, nut, flat washer	Included in above cost
	2 - 5/8" x 1-3/4" A325 Hex head bolt, lock washer, flat washer	Included in above cost
	16 - ¾" x 1-1/2" A325 Hex head bolt, flat washer	Included in above cost

****NOTE:** This bolt is specified shorter than the 1-3/4" length described in NYSDOT Item 587.1002. If this cannot be supplied add 3 additional flat washers per bolt, total 36 additional 5/16" flat washers.

**DETAILED SPECIFICATIONS AND
 BID FORM**

COMPANY NAME: _____

F. STEEL BRIDGE RAIL - TWO RAIL - BDD 89-51

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-30	3" x 5" x 1/4" w/5' Kick Back for 3 rail application	/each
BR-31	3" x 5" x 1/4" Galvanized bridge rail tube	/foot
BR-32	1-2" x 4" x 36" Bar splice w/HS Hardware	/each
BR-33	1-2" x 4" x 18" Bar splice w/HS Hardware	/each
BR-34	3" x 5" Bridge Rail Clamp w/HS Hardware	/each
BR-35	5/8" x 2-2" A325 Galvanized Bolt for BR-34 Clamp	/each
BR-36	Two rail bridge post for curbless application	/each
BR-37	Two rail bridge post for curb-type application	/each
BR-38	Two rail to box beam "Tuning Fork" end sections as per BDD 78-51 for curbless applications	/each
BR-39	Two rail to box beam "Tuning Fork" end sections as per BDD 80-51A for curb-type applications	/each
BR-40	8" x 13" x 2" Anchor Plate for curbless post	/each
BR-41	11" x 15" x 3/8" Anchor plate for curb-type post	/each
BR-42	7/8" A449 All-threaded Anchor rod for curbless post	/inch

NOTE: Some items are taken from an old Guide Rail Specs., and will be used to replace damaged rail, as needed.

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

F-A. STEEL BRIDGE RAIL - TWO RAIL - BD-RL3E, 4E, 5E

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-43	1" A449 All-threaded Anchor rod for curb-type post	/inch
BR-44	7/8" A325 Hex Nut	/each
BR-45	1" A325 Hex Nut	/each
BR-46	7/8" A325 Flat Washer	/each
BR-47	1" A325 Flat Washer	/each
BR-48	1" Offset Plates for two rail curbless post as per detail (2)	/each
BR-49	5/8" x 6" A325 Galv Bolts w/2 Flat washers, 2 lock washers & nut	/each
BR-50	6" x 6" x 3/16" Galvanized bridge rail tube	/foot
BR-51	5" x 5" x 34-1/2" Splice Tube AA@	/each
BR-52	5" x 5" x 34-1/2" Splice Tube AB@	/each
BR-53	3/4" x 7-2" A325 Carriage Bolt	/each
BR-54	9" x 12" x 2" Anchor Plate for curbless post	/each
BR-55	3/4" x 7-1/2" A325 Galv Bolts w/2 Flat washers, 2 lock washers & nut	/inch

NOTE: All hardware such as nuts, bolts, and washers required for the installation of any of the above (Steel Bridge Rail) items, except as noted, shall be supplied as Galvanized A307 or where High Strength (HS) is specified, Galvanized A325 materials.

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

F-B. STEEL BRIDGE RAIL - THREE, FOUR & FIVE RAIL, SEE NYSDOT DRAWINGS BD-RS 1E, 2E, 3E, 7E, 8E AND BD-RL 3E, 4E & 5E FOUND ON BRIDGES AFTER 2009

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-59	27" W6 X 25 Post drilled for 2 Rail Curbed (14" x 1-1/4" x 10" base plate) as per NYSDOT drawing BD RS 1E	/each
BR-60	33" W6 x 25 Post drilled for 3 Rail Curbless (14" x 1-1/4" x 10" base plate) as per NSYDOT drawing BD RS 1E	/each
BR-61	34" W6 x 25 Post drilled for 2 Rail Curbless (1' x 1" x 9" base plate) as per NYSDOT drawing BD RL 3E, 4E & 5E	/each
BR-62	42" W6 x 25 Post drilled for 4 Rail Curbless (14" x 1-1/4" x 10" base plate) as per NYSDOT drawing BD RS 2E, 3E, 7E and 8E	/each
BR-63	56" W6 x 25 Post drilled for 5 Rail Curbless (14" x 1-1/4" x 10" base plate) as per NYSDOT drawing BD RS 1E	/each

G. STEEL BRIDGE RAIL - TWO RAIL, BDD 89-51, BDD-RL3E SECTION G-G & SECTION A-A HEIGHTS VARY

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-64	23" W6 X 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E	/each
BR-64-A	24" W6 x 25 Post drilled for 3 Rail Curbed (9" x 1" x 12" base plate) as per NSYDOT drawing BD RL 3E SECTION G-G (BASE PLATE)	/each
BR-64-B	25" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-C	26" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-D	27" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-E	28" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

**G. STEEL BRIDGE RAIL - TWO RAIL, BDD 89-51, BDD-RL3E SECTION G-G &
SECTION A-A HEIGHTS VARY (cont'd)**

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-64-F	29" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-H	30" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-I	31" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-J	32" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-K	33" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-L	34" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-M	35" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each
BR-64-P	37" W6 x 25 Post drilled for 2 Rail Curbed (9" x 1" x 12" base plate) as per NYSDOT drawing BD RL 3E, SECTION G-G (BASE PLATE)	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

H. STEEL BRIDGE RAIL - THREE, FOUR & FIVE RAIL SEE NYSDOT DRAWINGS BD-RS 1E, 2E, 3E, 7E, 8E AND BD-RL 3E, 4E AND 5E FOUND ON BRIDGES AFTER 2009

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-65	22" x 1" x 22" Top Anchor Plate as per NYSDOT drawing BD-RL5E	/each
BR-66	14" x 1" x 22" Bottom Anchor Plate as per NYSDOT drawing BD-RL5E	/each
BR-67	22" x 1" x 16" Deck Anchor Plate as per NYSDOT drawing BD-RS7E	/each
BR-68	22" x 1" x 12" Pre-stressed Unit Anchor Plates as per NYSDOT drawing BD-RL7E	/each
BR-69	14" x 3/8" x 10" Anchor Plate as per NSYDOT drawing BD-RS1E & 7E SECTION BB	/each
BR-70	9" x 1/2" x 12" Anchor Plate as per NYSDOT drawing BD-RL3E View E-E (ANCHOR PLATE)	/each
BR-71	Angle L5" x 5" x 6-1/8" x 5/8" Bracket BD-RS-1E, 2E & 3E	/each
BR-72	SPLICE TUBE B, 5" x 5" x 5/16" x 2' 10-1/2" w 4" x 3/8" x 2' 9-1/2" Filler Plate BD-RL5E	/each
BR-73	Splice Tube A w/short Filler Plate 5" x 5" x 5/16" BD-RL4E	/each
BR-74	Turn Back Splice Tube 5" x 5" x 5/6" x 2' 3" BD-RL5E	/each
BR-75	Expansion Splice Tube e 5" x 5" x 5/16" x 36" BD-RS8E w/2-4" x 1/4" x 2' 11" and 1 4" x 1/4" x 1 8" Filler Plate	/each
BR-76	Fixed Splice Tube 5" x 5" x 5/16" x 27" BD-RS8E w/ 3 4" x 1/4" x 2' 2" Filler Plates	/each
BR-77	Expansion Splice Bar 4-1/4" x 2-1/8" x 36" BD-RS8E	/each
BR-78	Fixed Splice Bar 4-1/4" x 2-1/8" x 2' 3" BD-RS8E	/each
BR-79	Expansion Splice Tube 5" x 5" x 5/16" x 36" BD-RS8E w/2 4" x 1/4" x 2' 11" and 1 4" x 1/4" x 1/8" Filler Plates	/each
BR-80	Flare Splice Tube 5" x 5" x 5/16" x 2' 4-3/8" BD-RS5E & 7E	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

I. STEEL BRIDGE RAIL - THREE, FOUR & FIVE RAIL - SEE NYSDOT DRAWINGS BD-RS 1E, 2E, 3E, 7E, 8E AND BD-RL 3E, 4E FOUND ON BRIDGES AFTER 2009

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-81	20' 11-1/2" special TOP rail drilled for two stiff post and 6 week post as per NYSDOT drawing BD-RS4E	/each
BR-82	21' 7" special Bottom rail drilled for two stiff post and 6 week post as per NYSDOT drawing BD-RS4E	/each
BR-83	3/4" DIA. GALVANIZED FULLY THREADED BOLTS 7-1/2" LONG (ASTM A325 TYPE I) W/ 2 WASHERS AND HEAVY HEX NUT as per NYSDOT drawing BD-RS8E	/each
BR-84	3/4" DIA. GALVANIZED FULLY THREADED BOLTS 4-1/2" LONG (ASTM A325 TYPE I) W/ 2 WASHERS AND HEAVY HEX NUT as per NSYDOT drawing BD-RS8E	/each
BR-85	3/4" DIA. GALVANIZED BOLT 12" LONG (ASTM A325 TYPE I) with heavy nut and wedge and tapered spring lock washer BD-RS4E (TURNDOWN DETAIL)	/each
BR-86	LOWER 15 DEG 3" X 5" TUBE FLARED BRIDGE RAIL SECTION as per NYSDOT drawing BD-RS4E (ELEVATION) & PLAN DETAIL)	/each
BR-87	6" x 8" x 3" TUBE BLOCK FOR LOWER TUBE FLARED SECTION AS PER DRAWING BD-RS4E (ELEVATION) & PLAN DETAIL)	/each
BR-88	TS 5" x 3" x 1/4" bridge rail tube with 2 slotted holes at each end see BD-RS2E unless BR-88A or B apply as shown on BD-RS4E bottom fourth and fifth rail	/ft
BR-88-A	Cut, weld & cap 25 degrees 3" x 5" bridge rail CPGW as shown on BD-RS4E (ELEVATION MATCH A5 TOP RAIL OF FIVE RAIL - CURBLESS)	/each
BR-88-B	Cut and weld, drill one hold at end of 3" x 5" x 1/4" bridge rail CPGW WITH BACKUP RING as shown on BD-RS4E (TURNDOWN DETAIL)	/each

**DETAILED SPECIFICATIONS AND
BID FORM**

COMPANY NAME: _____

**J. STEEL BRIDGE RAIL THREE, FOUR & FIVE RAIL TRANSITION TO SINGLE RAIL
BOX BEAM SE NYSDOT Drawings BD-RS 1E, 2E, 3E, 7E, 8E and BD-RL 3E, 4E and 5E**

ITEM NUMBER	DESCRIPTION AND/OR REFERENCE	BID PRICE
BR-90	Transition from 3, 4, or 5 rail bridge beam kit to include: BX-62 = (1), BX-63 = (8), BX = (14), BX-67 = (3), BX-68 = (1), BX-69 = (4), BX-70 = (8), BX-71 = (1), BR-76 = (1), BR-77 = (1), BR-79 = (2), BR-81 = (1), BR-82 = (1), BR-83 = (12), BR-84 = (4), BR-86 = (1), BR-87 = (2) and the following hardware:	/unit
	**12 - 5/16" x 1-1/2" Bolt, nut, lock washer, and 2 flat washers	Included in above cost
	4 - 3/4" x 8" Carriage bolt, nut, lock washer and 2 flat washers	Included in above cost
	16 - 3/8" x 7-1/2" Hex Head bolt, nut, flat washer	Included in above cost
	16 - 2" x 1/2" Hex Head bolt, nut, flat washer	Included in above cost

****NOTE:** This bolt is specified shorter than the 1-3/4" length described in NYSDOT Item 587.1002. If this cannot be supplied add 3 additional flat washers per bolt, total 36 additional 5/16" flat washers.

Attached Bid Checklist, Signature/Non-Collusive Page, and Iran Notice must be signed to complete the bid.

BID CHECKLIST

The documents required to complete this bid are indicated below.

(X) Insurance Certificates See Exhibit A, pages F-G

(X) Iran Notice See Pages 34r – 34s

___ We have reviewed and have submitted the items required under the Mandatory Submission Requirements.

___ The Bid Page(s), Signature/Non-Collusive Page, and Iran Notice are completed and included.

___ Deviations are noted and explained.

___ Insurance Certificates are enclosed if required.

**WAIVER OF IMMUNITY/NON-COLLUSIVE BIDDING CERTIFICATE PURSUANT TO
SECTION 103-D OF THE NEW YORK STATE GENERAL MUNICIPAL LAW**

A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organizations, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
2. Unless otherwise required by law, the prices which have been quoted in this bid have not knowingly been disclosed by the bidder and will not knowingly be disclosed by the bidder, directly or indirectly, prior to opening, to any bidder or to any competitor.
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

A bid shall not be considered for award nor shall any award be made where 1, 2, and 3 above have not been complied with; provided, however, that in any case the bidder cannot make to foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons thereof. Where 1, 2, and 3 above have not been complied with, the bid shall not be considered for any award nor shall any award be made unless the head of the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a bidder (a) has published price lists, rates, or tariffs covering items being procured, (b) has informed prospective customer of proposed or pending publications of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of paragraph "A" above.

B. Any bid hereafter made to any political subdivision of the state or any public department, agency or official thereof by a corporate bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule, regulation, local law, and where such bid contains the certification referred to in paragraph "A" of this section, shall be deemed to have been authorized by the Board of Directors of the bidder, and such authorization shall be deemed to include the submission of the bid and the inclusion therein of the certificate as to non-collusion as the act and deed of the corporation.

SIGNATURE PAGE ON REVERSE MUST BE SIGNED TO COMPLETE THE BID.

SIGNATURE PAGE

The undersigned proposes to furnish products or services to specifications included in this bid document, at the price(s) set forth, as required to meet the County's needs. Any deviation to the specifications must be noted on the bid form and fully explained or the deviations will not be considered part of the bid.

Deviations: Yes _____ No _____

By signing below I am certifying that I fully understand the complete requirements of the bid and agree to the non-collusive certification on the reverse of this page and additional documents as specified on the bid checklist. Bidder hereby acknowledges receipt of all addenda pertaining to this bid which are made part of the original bid specifications.

_____ COMPANY NAME

_____ ADDRESS (Principal Office)

_____ CITY, STATE, ZIP CODE

_____ AREA CODE/TELEPHONE NUMBER

_____ FAX NUMBER

_____ AUTHORIZED SIGNATURE

_____ PRINTED NAME

_____ TITLE

_____ DATE

_____ ADDRESS (Local Office)

_____ CITY, STATE, ZIP CODE

_____ AREA CODE/TELEPHONE NUMBER

_____ FAX NUMBER

_____ E-MAIL ADDRESS

Check One: Corporation _____ Partnership _____ Individual _____

Incorporated under the laws of the State of _____

Federal Identification # _____

State if authorized to do business in the State of New York: Yes _____ No _____

Names/Addresses of Partners:

Iranian Energy Sector Divestment

Contractor hereby represents that said Contractor is in compliance with New York State General Municipal Law Section 103-g entitled "Iranian Energy Sector Divestment", in that said Contractor has not:

- a. Provided goods and services of \$20 Million or more in the energy sector of Iran including but not limited to the provision of oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran; or
- b. Acted as a financial institution and extended \$20 Million or more in credit to another person for forty-five days or more, if that person's intent was to use the credit to provide goods or services in the energy sector in Iran.

Any Contractor who has undertaken any of the above and is identified on a list created pursuant to Section 165-a (3)(b) of the New York State Finance Law as a person engaging in investment activities in Iran, shall not be deemed a responsible Bidder pursuant to Section 103 of the New York State General Municipal Law.

Except as otherwise specifically provided herein, every Contractor submitting a bid in response to this Request for Bids must certify and affirm the following under penalties of perjury:

- a. "By submission of this bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief, that each Bidder is not on the list created pursuant to NYS Finance Law Section 165-a (3)(b)."

Jefferson County will accept this statement electronically in accordance with the provisions of Section 103 of the General Municipal Law.

Except as otherwise specifically provided herein, any Bid that is submitted without having complied with subdivision (a) above, shall not be considered for award. In any case where the Bidder cannot make the certification as set forth in subdivision (a) above, the Bidder shall so state and shall furnish with the bid a signed statement setting forth in detail the reasons therefore. The County reserves its rights, in accordance with General Municipal Law Section 103-g to award the Bid to any Bidder who cannot make certification, on a case-by-case basis under the following circumstances.

1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
2. The County of Jefferson has made a determination that the goods or services are necessary for the County to perform its functions and that, absent such an exemption, the County of Jefferson would be unable to obtain the goods or services for which the Bid is offered. Such a determination shall be made by the County in writing and shall be a public document.

Attachment
Certification Pursuant to Section 103-g
of the New York State
General Municipal Law

- A. By submission of this bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each Bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the Bidder cannot make the foregoing certification set forth in Paragraph A above, the Bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to whom the bid is made, or his designee, may award a bid, on a case by case basis under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods and services for which the contract is offered. Such a determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company Name