

May 8, 2013

Addendum No. 1

RFB 03602-NTT-00-GS-MA  
Guardrail, Post, Terminals and Hardware

Attention: All Potential Respondents,

Addendum No. 1 'Clarifications and Questions and Answers' are submitted for your information as an aid in preparing responses and are hereby made a part of the contract for the aforementioned RFB.

Acknowledge Addendum 1 with a signature on the Vendor Information Page at the bottom of page 24.

The due date for responses is **Friday, May 17, 2013 by 3:00 p.m. No late bids will be accepted.**

### **Clarifications**

1. The RFB page 22 has been deleted and replaced. Items are noted with ▲, changes are in **BOLD**.

### **QUESTIONS AND ANSWERS:**

1. Regarding the Fitting/Hardware Kit for 26' Guardrail, I have the following questions:  
Should the bolts needed for the rail should be 5/8" X 10" button head post bolts, not hex bolts, and are only 4 needed per 26' panel. Also, the kit doesn't include any splice bolts and there are 8 required per splice. 5/8" x 1.25" splice bolts. And, the TXDOT guardrail standard only calls for (1) round washer per post bolt so I'm wondering about the washers in the kit.  
**The hardware kits, the dimension and quantities of the fittings (bolts, nuts, washers, etc) must follow TXDOT's specifications as stated in the RFB, the links are on page (15) fifteen.**

2. Regarding the Fitting/Hardware Kit for 13' Guardrail:  
Regarding the description of the post bolts, quantity of post bolts, lack of splice bolts, and washers. I'm thinking now that the quantities might be a combination of the post and splice bolts (4 posts and 8 splice for 26' rail, 2 posts and 8 splice for 13' rail). Also, the 10" long bolt that is called out in the 26' rail item is standard for attaching rail to a steel post with plastic block but the length called out in the 13' rail item is 15". If that is because they want some for the round wood posts with blocks, I believe the length should be 16". If they're for the 6" X 8" rectangular wood posts, I believe the length should be 18".  
**The hardware kits, the dimension and quantities of the fittings (bolts, nuts, washers, etc) must follow TXDOT's specifications as stated in the RFB, the links are on page (15) fifteen.**

3. Regarding the Guardrail End Section and Fitting Kit for the Guardrail End Section:

What does the Tollway want for the Guardrail End Section? I don't see an End Section called out on the GF (31) standard sheet.

**The end section is referring to a flared end section or rounded end section similar to Trinity items 907G, 901G, 950G, and 957G.**

Also, same questions as above regarding the hardware - quantity, length, washers, splice bolts.

**The hardware kits, the dimension and quantities of the fittings (bolts, nuts, washers, etc) must follow TXDOT's specifications as stated in the RFB, the links are on page (15) fifteen.**

4. Regarding the Fitting Kit for the Non-Symmetrical Thrie-Beam Transition:

There isn't a length given for the post bolt. Also, the post bolt item calls out "with washer and nut" but the two items below are for "(1) washer and nut" and "(1) nut". And, there aren't any nuts called out for the splice bolts.

**The hardware kits, the dimension and quantities of the fittings (bolts, nuts, washers, etc) must follow TXDOT's specifications as stated in the RFB, the links are on page (15) fifteen.**

5. Regarding the Thrie-Beam Terminal Connection with fitting kit item:

Should the description be "Terminal Connector" and not "Terminal Connection", and the length should be 2'6" not 6'3"; as shown on the GF (31) TR standard sheet.

**The length of the Terminal Connector is 2' 6" (30").**

Also, what length of 7/8" Hex Bolts does the Tollway want? And, I believe the (12) 5/8" Button Head Post Bolts should be 5/8" X 2" Button Head Splice Bolts.

**The hardware kits, the dimension and quantities of the fittings (bolts, nuts, washers, etc) must follow TXDOT's specifications as stated in the RFB, the links are on page (15) fifteen.**

- Parts shall include:
  - 1 unit Non-Symmetrical Thrie-Beam Transition Guardrail 10 gauge, length 6' – 3"
- Fittings and hardware shall include:
  - 12 units 5/8" x 2" Button Head Splice Bolts
  - 1unit 5/8" top head post bolt with washer and nut
  - 1unit 5/8" washer and nut
  - 1unit 5/8" nut
  - 8 units 5/8" x 1 ¼" Button Head Splice Bolts

**Thrie-Beam Terminal Connection ▲ Connector:**

- Rail elements shall meet the requirements of TXDOT Standard Spec (2004) Item 540, latest revision. Only materials that appear on TXDOT's Material Producers List, titled "Metal Beam Guard Fence Rail Element Manufactures" are accepted.
- All bolts, nuts, cable assembly, cable anchors, steel tube and bearing plates shall be galvanized in accordance with Item 445, latest revision.
- All Guardrail and accessory items for thrie-beam transition shall meet standard plan sheet GF (31) TR, latest revision.
- Parts shall include:
  - 1 unit Thrie- Beam Terminal Connection, 10 gauge, nominal length ~~6'–3"~~ ▲ **2' 6" (30")**
- Fittings and hardware shall include:
  - 5 units 7/8" Heavy Hex Head Bolt
  - 5 units 7/8" Heavy Hex nut
  - 12 Units 5/8" Button Head Post Bolt
  - 12 Units 1 ¼" OD washer
  - 12 units 1 ¼" nut

**Blocks**

- 14" Composite Blocks- The composite block size is 14" x 6" x 8" and shall meet the requirements as stated in TXDOT's DMS-7210. Only materials that appear on TXDOT's Material Producers List, titled "Composite Material Blocks and Posts for Metal Beam Guard Fence" are accepted.
- 6" x 8" Rectangular Timber Blocks- The timber block size is 14" x 6" x 8" and shall meet the requirements as stated in TXDOT's DMS-7200. Only material treated or supplied from sources that appear on TXDOT's Material Producers List, titled "Timber Treating Plant and Suppliers" are accepted.