

THE PORT AUTHORITY OF NY & NJ

**PROCUREMENT DEPARTMENT
4 WORLD TRADE CENTER
150 GREENWICH STREET, 21ST FL.
NEW YORK, NY 10007**

12/28/2017

ADDENDUM # 6

To prospective Bidder(s) on Bid # 51629: Design, Fabricate, Test and Deliver Two (2) Tangential Geometry Design No. 15 Crossovers and Related Material and Spare Parts (Special Trackwork) for Port Authority Trans-Hudson Corporation:

Now due back on 1/5/2018, no later than 11:00AM:

I. CHANGES/MODIFICATIONS

The following changes/modifications are hereby made to the solicitation documents:

A. Part V, Specifications:

1. In Section 3 “Delivery Schedule”, subsections A. and B., replace “twelve (12) months” with “twelve (12) to fourteen (14) months”.
2. In Section 4 “General”, subsection e) “SHOP DRAWINGS”, paragraph v., insert the following as the last sentence:
“Switch movement layout drawings should show how the switch machine is to be mounted and the design of the rods and related hardware that will be furnished. Refer to Drawing C006.”
3. In Section 6 “Execution”, subsection b) “TIE, RAIL AND PLATE LAYOUTS”, delete the last sentence of the third paragraph in its entirety.
4. Delete all references to “transition” rail or panels, as such material is not required for this procurement.

B. Section 03480 – Concrete Turnout Ties, Crossties and Fastenings:

1. In Section 1.03 “DESIGN CRITERIA AND REQUIREMENTS”, paragraph H. “Rail Fastening Assembly”, subparagraph 3. “Rail Cant”, replace cant references “40:1” to “1:40” and “80:1” to “1:80.”

2. In Section 2.01 "CONCRETE":
 - a) In paragraph A, replace the second sentence in its entirety with the following:

"The maximum water-cement ratio shall be 0.45 and maximum air content shall be 6.0%."
 - b) Insert the following as a new paragraph:

"E. Concrete durability: Alternative mix designs, when shown through research and field experience to result in a more durable concrete tie, shall be acceptable alternatives. Alternative mix designs shall be submitted with bid."
3. In Section 3.05 "MIXING, PLACING, AND CURING OF CONCRETE" paragraph G "Testing Fresh Concrete", insert the following sentence at the end of subparagraph 3:

"Maximum air content shall be 6.0%."

II. BIDDER'S QUESTIONS AND ANSWERS

The following information is available in response to questions submitted by prospective Bidders. The responses should not be deemed to answer all questions which have been submitted by Bidders to the Port Authority. It addresses only those questions which the Port Authority has deemed to require additional information and/or clarification. The fact that information has not been supplied with respect to particular questions asked by Bidders does not mean or imply, nor should it be deemed to mean or imply, any meaning, construction, or implication with respect to the terms.

The Port Authority makes no representations, warranties or guarantees that the information contained herein is accurate, complete or timely or that such information accurately represents the conditions that would be encountered during the performance of the Contract. The furnishing of such information by the Port Authority shall not create or be deemed to create any obligation or liability upon it for any reason whatsoever and each Bidder, by submitting its Bid, expressly agrees that it has not relied upon the foregoing information, and that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever. Accordingly, nothing contained herein and no representation, statement or promise, of the Port Authority, its Commissioners, officers, agents, representatives, or employees, whether made orally or in writing, shall impair or limit the effect of the warranties of the Bidder required by this Bid or Contract and the Bidder agrees that it shall not hold the Port Authority liable or responsible therefor in any manner whatsoever.

The Questions and Answers numbering sequence will be continued sequentially in any forthcoming Addenda that may be issued.

Question #9	If we are unable to meet the requested lead times, will we be able to offer alternate lead times?
Answer #9	No. Refer to Part V (Specifications) Section 3 “Delivery Schedule” and see above Change/Modification A. 1.
Question #10	In reference to shop drawings, is the required switch movement layout similar to what is commonly referred to as a “rod layout drawing”?
Answer #10	Yes.
Question #11	What should the required switch movement layout drawings show?
Answer #11	See above Change/Modification A. 2.
Question #12	Part V (Specifications) Section 6 “Execution” subsection b) states that no panel shall exceed 50 feet in length, yet Drawing C001 shows 69-foot and 73-foot stock rails. Is the switch not to be supplied as a panel, or is a 73-foot panel for the nose section acceptable? Is there another option required?
Answer #12	See above Change/Modification A. 3.
Question #13	Are any transition rails required?
Answer #13	No. See above Change/Modification A. 4.
Question #14	Section 03480 states the rail cant shall be 40:1 toward the gauge, but please confirm the more standard terminology of 1:40 is acceptable.
Answer #14	See above Change/Modification B. 1.
Question #15	Section 03480 states the maximum air content shall be 5.0%, but please confirm the more current industry standard of 6% is acceptable.
Answer #15	See above Change/Modification B. 2. a).
Question #16	Section 03480, 3.05, states the air content range in the plastic concrete shall ensure a minimum 3.5 percent air void content in the hardened concrete, but please advise if a maximum air content of 6% is acceptable.
Answer #16	See above Change/Modification B. 3.

Question #17	How many switch blanks are required, or would fully-machined switch rails be required?
Answer #17	Refer to Part V (Specifications) Section 5 “Material” subsection q) “SPARE PARTS.”
Question #18	What lengths of switch rails are required?
Answer #18	Refer to Drawing C001.
Question #19	In reference to packaging and delivery, all switches, rails, frogs, and switch machine base plates shall be fully painted with bituminous black enamel paint to prevent corrosion from salt water. If manufactured in the USA, is this still a requirement?
Answer #19	Yes.
Question #20	In reference to shop drawings, can the switch pack drawing(s) be combined with the switch movement layout drawing(s)?
Answer #20	No.
Question #21	Section 03480, 2.04, allows for “or approved equals” to the specified Insert Material, so please advise if PATH approves of cellulose foam, which allows for expansion and is the current industry standard preferred over drain holes and is a proven superior solution.
Answer #21	Yes.
Question #22	Section 03480, 3.02, states the flexural strength tests shall be made on 6 by 6 by 20 inch beams in accordance with ASTM C78 and minimum flexural strength (modulus of rupture) at 28 days shall be 600 psi. Can the requirement for test beams be eliminated?
Answer #22	No.
Question #23	Please confirm that direct forging is required, although PATH may have historically accepted non-forged rail. If direct forging is required, we would need further information regarding product quantity and specifications.
Answer #23	Direct forging is required. Refer to Part V (Specifications) Section 5 “Material” subsection g) “SWITCHES”.
Question #24	With regard to rail material supply we have previously always offered R350HT to EN13764 which has a hardness range of 350-390HB so this is slightly softer than AREMA requirements of high strength rail. This would need to be agreed as a variation, and the hardness will be within 50BHN of the asymmetric switch rail blank. If the bulk of the blade is in this 350BHN (min grade) then

	the rest of the specification would be achievable, and we would need to do one slow bend test and some micro / macro examination of the weld to satisfy the AREMA standard regarding Flash Butt Welding. Is R350HT acceptable?
Answer #24	R350HT is acceptable.

This communication should be initialed by you and annexed to your Bid upon submission. In case any Bidder fails to conform to these instructions, its Bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

SELENE ORTEGA, MANAGER
COMMODITIES & SERVICES DIVISION

BIDDER'S FIRM NAME: _____

INITIALED: _____

DATE: _____

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO JOHN SANTIAGO AT John.Santiago@panynj.gov OR (212) 435-4613.