Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 3, 2015

SUBJECT: FAS Route 706
Project BRS-0706(136)
Section 04-00111-00-BR
Richland County
Contract No. 95760
Item No. 160, April 24, 2015 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised page 11 of the special provisions

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John Baranzelli, P.E.
Acting Engineer of Design and Environment

By: Ted B. Walschleger, P. E.
Engineer of Project Management

PROJECT SPECIFIC REQUIREMENTS: Design loading shall be HL-93. The Aluminum Box Culvert shall have a minimum span of 34'- 11", a rise of 10'- 4" and an end area of at least 122 square feet. Box culvert shall be manufactured from .250 " thick crown plates, .250 " haunch plates, Type 6 Crown Ribs 9 " O.C., and Type 6 Haunch Ribs 9 " O.C. Bottom Centerline Length shall be 36 Feet.

Type 6 crown ribs and Type 6 haunch ribs as specified shall conform to the properties listed per table below:

Section Properties of Aluminum Box Culvert Reinforcing Ribs			
	Type VI Rib	**Type IV Rib**	**Type II Rib**
Alloy	6061T-6	6061-T6	6061-T6
Area	3.63 in^2	2.27 in^2	1.71 in^2
Center of Mass	Xc = .901 in. Yc = 2.261 in.	Xc = 0.652 in. Yc = 1.704 in.	Xc = 0.645 in. Yc = 1.278 in.
Moment of Inertia	Ixc = 9.700 in^4 Iyc = 1.014 in^4	Ixc = 3.555 in^4 Iyc = 1.050 in^4	Ixc = 1.802 in^4 Iyc = 0.787 in^4
Radius of Gyration	Rxc = 1.636 in. Ryc = 0.529 in.	Rxc = 1.251 in. Ryc = 0.680 in.	Rxc = 1.026 in. Ryc = 0.678 in.
Section Modulus	Sx = 4.226 in^3	Sx = 1.90 in^3	Sx = 1.046 in^3
Plastic Modulus	Zx = 6.218 in^3	Zx = 2.68 in^3	Zx [a] 1.705 in^3
Plastic Moment	Mp = 18.13 K-FT.	Mp = 7.81 K-FT.	Mp [a] 4.97 K-FT.
Yield Strength	Fy = 35 KSI.	Fy = 35 KSI.	Fy = 35 KSI.
Tensile Strength	Fu - 38 KSI.	Fu = 38 KSI.	Fu = 38 KSI.

Method of Measurement: This work will be measured for payment in place in feet, except the length measured will not exceed the length shown on the plans or authorized in writing by the Engineer.

Basis of Payment: This work shall be paid for at the contract unit price per foot for **ALUMINUM STRUCTURAL PLATE BOX CULVERT (SPECIAL)** of the size specified.