



## **Request for Proposal (RFP) Amendment Notification # 1**

### **NOTICE TO ALL CONSULTING ENGINEERING FIRMS**

#### **Solicitation Number S-230-18:**

US 176 Bridge Replacement over SCL Railroad

**SIA Report Attached Below**

IDENTIFICATION			
(1) State Name - SOUTH CAROLINA	Code	454	Sufficiency Rating = 62.9
(8) Structure Number # 0004020017600800	Asset ID	746	Functionally Obsolete = NO
(5) Inventory Route (On/Under)	On -	121001760	Structurally Deficient = YES
(2) State Highway Department District		1	
(3) County Code 79	(4) Place Code	85	
(6) Features Intersected S.C.L. RAILROAD			
(7) Facility Carried US 176			
(9) Location CITY OF COLA			
(11) Milepoint		23.275	
(12) Base Highway Network -PART OF NET	Code	1	
(13) LRS Inventory Route & Subroute		00US00176000	
(16) Latitude 34 Degrees 1 Minutes	19.34 Seconds		
(17) Longitude 81 Degrees 2 Minutes	42.25 Seconds		
(98) Border Bridge State Code	% SHARE	%	
(99) Border Bridge Structure No.	#		
STRUCTURE TYPE AND MATERIAL			
(43) Structure Type Main: MATERIAL -CONCRETE	Type - 4	Code	104
(44) Structure Type Appr: MATERIAL -OTHER OR N/A	Type - OTHER OR N/A	Code	000
(45) Number of Spans in Main Unit			3
(46) Number of Approach Spans			0
(107) Deck Structure Type -CONCRETE CAST-IN-PLC	Code		1
(108) Wearing Surface / Protective System:			
A) Type of Wearing Surface - BITUMINOUS	Code		6
B) Type of Membrane - UNKNOWN	Code		8
C) Type of Deck Protection - UNKNOWN	Code		8
AGE AND SERVICE			
(27) Year Built			1936
(106) Year Reconstructed			
(42) Type of Service On -HIGHWAY			
Under - RAILROAD	Code		2
(28) Lanes: On Structure = 2	Under Structure =		0
(29) Average Daily Traffic			5900
(30) Year of ADT 2016	(109) Truck ADT		04 %
(19) Bypass, Detour Length			0 MI
GEOMETRIC DATA			
(48) Length of Maximum Span			33 FT
(49) Structure Length			99 FT
(50) Curb or Sidewalk: Left 6.0FT	Right		6.0FT
(51) Bridge Roadway Width Curb to Curb			38FT
(52) Deck Width Out to Out			52.0FT
(32) Approach Roadway Width (W/Shoulders)			38FT
(33) Bridge Median -NONE	Code		0
(34) Skew 15 Deg	(35) Structure Flared		NO
(10) Inventory Route Min Vert Clear		99FT	99 IN
(47) Inventory Route Total Horz Clear		38.0 FT	
(53) Min Vert Clear Over Bridge Roadway		99FT	99 IN
(54) Min Vert Underclear Ref - RXR BENEATH		26 FT	5 IN
(55) Min Lat Underclear Right Ref -RXR BENEATH		8.0 FT	
(56) Min Lat Underclear Left		0.0 FT	
NAVIGATION DATA			
(38) Navigation Control -N/A - NO WATERWAY	Code		N
(111) Pier Protection -	Code		
(39) Navigation Vertical Clearance			FT
(116) Vert-Lift Bridge Nav Min Vert Clear			FT
(40) Navigation Horizontal Clearance			FT
CLASSIFICATION			
(112) NBIS Bridge Length -			YES
(104) Highway System - NHS			1
(26) Functional Class - URBAN-PRIN ART-OTH			13
(100) Strahnet Highway - NOT STRAH HWY			0
(101) Parallel Structure - NONE EXIST			N
(102) Direction of Traffic - 2-WAY TRAFFIC			2
(103) Temporary Structure -			
(105) Federal Lands Highways -N/A			0
(110) Designated National Network -NO			0
(20) Toll - ON FREE ROAD			3
(21) Maintain - SCDOT			1
(22) Owner - SCDOT			1
(37) Historical Significance -NOT DETERMINABLE			4
CONDITION			
(58) Deck - GOOD			7
(59) Superstructure - POOR			4
(60) Substructure - FAIR			5
(61) Channel and Channel Protection-N/A			N
(62) Culverts - NOT APPLICABLE			N
LOAD RATING AND POSTING			
(31) Design Load - H 20			4
(64) Operating Rating - AS			40
(66) Inventory Rating - AS			30
(70) Bridge Posting - EQUAL/ABOVE LEGAL LOADS			5
(41) Structure Open, Posted or Closed -			A
Description -OPEN, NO RESTRICT			
APPRAISAL			
(67) Structure Evaluation - MEETS MIN TOLER LIMITS			4
(68) Deck Geometry			4
(69) Underclearances, Vertical and Horizontal			4
(71) Waterway Adequacy			N
(72) Approach Roadway Alignment			8
(36) Traffic Safety Features			1000
(113) Scour Critical Bridges - NOT OVER WATERWAY			N
PROPOSED IMPROVEMENTS			
(75) Type of Work - REHAB/DETERIORATION	Code		351
(76) Length of Structure Improvement			126.9 FT
(94) Bridge Improvement Cost			\$188,000
(95) Roadway Improvement Costs			\$9,000
(96) Total Project Cost			\$207,000
(97) Year of Improvement Cost Estimate			2017
(114) Future ADT			9263
(115) Year of Future ADT			2036
INSPECTIONS			
(90) Inspection Date 02/2016	(91) Frequency	24	Mo
(92) Critical Feature Inspection:	(93) CFI Date		
A) Fracture Crit Detail	NO	Mo	A)
B) Underwater Insp	NO	Mo	B)
C) Other Special Insp	NO	Mo	C)