THE EYAK CORPORATION ALASKA FISH PASSAGE IMPROVEMENT PROJECTS SURVERY AND DESIGN DOCUMENT PREPARATION ARCHITECTURE / ENGINEERING SERVICES FOR CULVERTS



STATEMENT OF WORK

JANUARY 2024

The Eyak Corporation Cordova Office

THE EYAK CORPORATION REQUEST FOR PROPOSAL EVOSTC-2024

PURCHASE FISH PASSAGE CULVERTS

Copper River Watershed Habitat Enhancement Project, Cordova EVOS Sites COP 9 and SHER 1 (Fish Passage Improvements at Sheridan River Tributary), Cordova EVOS Site CAB 2 (Fish Passage Improvements at Elsner River Tributary)

1.1 Introduction

The Eyak Corporation was formed July 25, 1973, as a for-profit corporation under Alaska law pursuant to the Alaska Native Claims Settlement Act (ANCSA) enacted by Congress on December 18, 1971. TEC is seeking bids to procure culverts for three fish passage improvement projects in Cordova, AK. The bid also includes the necessary engineering, i.e. shop drawings, manufacturing, delivery and offloading of the culverts to Cordova, Alaska

TEC is working with Copper River Watershed Project, Alaska Department of Fish & Game, Chugach National Forest, U.S. Fish & Wildlife Service, National Oceanic and Atmospheric Administration (NOAA), and Alaska Department of Transportation & Public Facilities (ADOT&PF) to install three stream simulation culverts that will ensure fish passage by coho salmon at all life stages. Funding for these culverts was provided by NOAA.

1.2 General Statement of Work

Provide all culvert materials, bands, and miscellaneous accessories/hardware required to assemble the requested pipe arch culverts and aluminized steel culvert (assembly to be completed by a third party and is not in contract) identified in the drawings attached and as described in the scope of work, specifications, and Bid Form. Provide engineering calculations and shop drawings as required for the Culvert Bridge Design Package as described in the specifications. Ship culvert materials to Cordova, Alaska. Deliver materials to the laydown area at Alaska Marine Lines located at 202 Industry Road, Cordova, AK 99574. The vendor shall provide necessary off-loading equipment and transportation equipment to transfer the culvert materials to the laydown area. Notify TEC at least 3 business days prior to arrival of materials in Cordova, Alaska.

At the date of this RFP, design drawings for COP 9/SHER 1 are at 65% design and design drawings for CAB 2 are at 95% design and therefore not stamped. Drawings will be stamped prior to culvert installation.

1.3 Specifications, Codes, Ordinances, and Standards

Comply with the current Alaska Department of Transportation and Public Facilities (ADOT&PF) Standard Specifications for Highway Construction (SSHC) 2020 Edition. Modifications, clarifications, and project special provisions are detailed in the following sections. The requirements contained in these specifications and special provisions are made a part of this solicitation and resultant contract.

This project is required to use American Iron, Steel, and Manufactured Products, and Construction Materials meeting the Build American, Buy American (BABA) Act, Pub. L. No. 117-58. Documentation of compliance shall be submitted with the Bid.

SECTION 602

STRUCTURAL PLATE PIPE

Special Provisions

602-1.01 DESCRIPTION. Add the following:

Furnish manufacturer-designed aluminum structural plate culverts to meet the contract requirements. Provide manufacturer shop drawings.

602-2.01 MATERIALS. Add the following:

Furnish a corrugated aluminum structural plate pipe arch culvert:

Material: aluminum Minimum material thickness: 2 gage (0.125") Length: 76 feet Span: 8 feet 5 inches Rise: 6 feet 3 inches Area: 41.9 square feet Live loading: HL-93 Minimum cover: 2.0 feet Maximum cover: 16 feet

Furnish a corrugated aluminum structural plate pipe arch culvert: Material: aluminum Minimum material thickness: 2 gage (0.125") Length: 78 feet Span: 8 feet 5 inches Rise: 6 feet 3 inches Area: 41.9 square feet Live loading: HL-93 Minimum cover: 2.0 feet Maximum cover: 16 feet

602-3.01 CONSTRUCTION REQUIREMENTS. Add the following:

The Culvert Manufacturer shall be responsible for shipping and transporting the structural plate aluminum pipe arch culverts to identified laydown area in Cordova, Alaska as identified in the culvert purchase solicitation.

If requested by the Engineer, provide the Engineer access to manufacturer's installation recommendations such as attendance at the pre-construction meeting or written literature.

602-5.01 BASIS OF PAYMENT. Delete the first sentence and replace with the following:

All work including labor, materials, and equipment necessary to complete design and load rating for culvert bridges and meet the submittal requirements stated in this Section is subsidiary to Section 602 pay items.

All work including labor, materials, and equipment associated with furnishing, transporting, assembling, inspecting, and installing culvert bridges is subsidiary to Section 602 pay items.

Replace the Pay Item table with the following:

Pay Item			
602.0003.0000 Structural Plate Aluminum Arch Culvert, 8'-5" Span, 6'-3" Rise (COP 9)	Lump Sum		
602.0003.0000 Structural Plate Aluminum Arch Culvert, 8'-5" Span, 6'-3" Rise (SHER 1)	Lump Sum		

SECTION 603

CULVERTS AND STORM DRAIN

Special Provisions

603-2.01 MATERIALS. Add the following:

Furnish aluminized corrugated steel culvert. Provide manufacturer shop drawings.

603-3.01 CONSTRUCTION REQUIREMENTS. Add the following:

The Culvert Manufacturer shall be responsible for shipping and transporting the aluminized corrugated steel culvert to the identified laydown area in Cordova, Alaska as identified in the culvert purchase solicitation.

If requested by the Engineer, provide the Engineer access to manufacturer's installation recommendations such as attendance at the pre-construction meeting or written literature.

603-5.01 BASIS OF PAYMENT. Delete the first sentence and replace with the following:

All work including labor, materials, and equipment necessary to meet the submittal requirements stated in this Section is subsidiary to Section 603 pay items.

All work including labor, materials, and equipment associated with furnishing, transporting, assembling, inspecting, and installing the culvert is subsidiary to Section 603 pay items.

<u>Replace the Pay Item table with the following:</u>

Pay Item	Pay Unit
603.0001.0072 Aluminized Corrugated Steel Pipe 72 Inch (CAB 2)	Lump Sum

1.4 Delivery

Delivery will be to the Alaska Marine Lines located at 202 Industry Road, Cordova, AK 99574.

Contact The Eyak Corporation, Land Manager (Tiffany Beedle, 541-620-1710, tbeedle@eyakcorp.com) with any questions regarding this location. Please notify when product is being shipped.

Delivery Date: Fabrication time from award of bid is estimated to take up to 16 weeks with delivery taking up to 2 weeks.

Desired delivery date is May 1, 2024. Materials must be delivered no later than June 1, 2024.

Schedule

The permitted/anticipated work window for construction of the culverts is June 1, 2024 to July 31, 2024.

February 1, 2024 Bids due

February 8, 2024 Anticipated award / purchase order.

February 15, 2024 Provide shop drawings to TEC. Expect a one-week review period. June 1, 2024 All materials delivered on or before June 1, 2024.

1.5 Attachments

At the date of this RFP, design drawings for COP 9/SHER 1 are at 65% design and design drawings for CAB 2 are at 95% design and therefore not stamped. Drawings will be stamped prior to culvert installation. Files available for download here: https://copperriver.org/programs/fish-habitat-restoration/restoration/culverts-are-the-culprits/copper-river-watershed-enhancement/

- A. Design plans for COP 9 culvert
- B. Design plans for SHER 1 culvert
- C. Design plans for CAB 2 culvert
- D. Geotechnical Report for the project (Download Only)
- E. Hydrologic and Hydraulic Reports Cab 2 (Download Only)
- F. Hydrologic and Hydrologic Reports COP 9/ SHER 1 (Download Only)

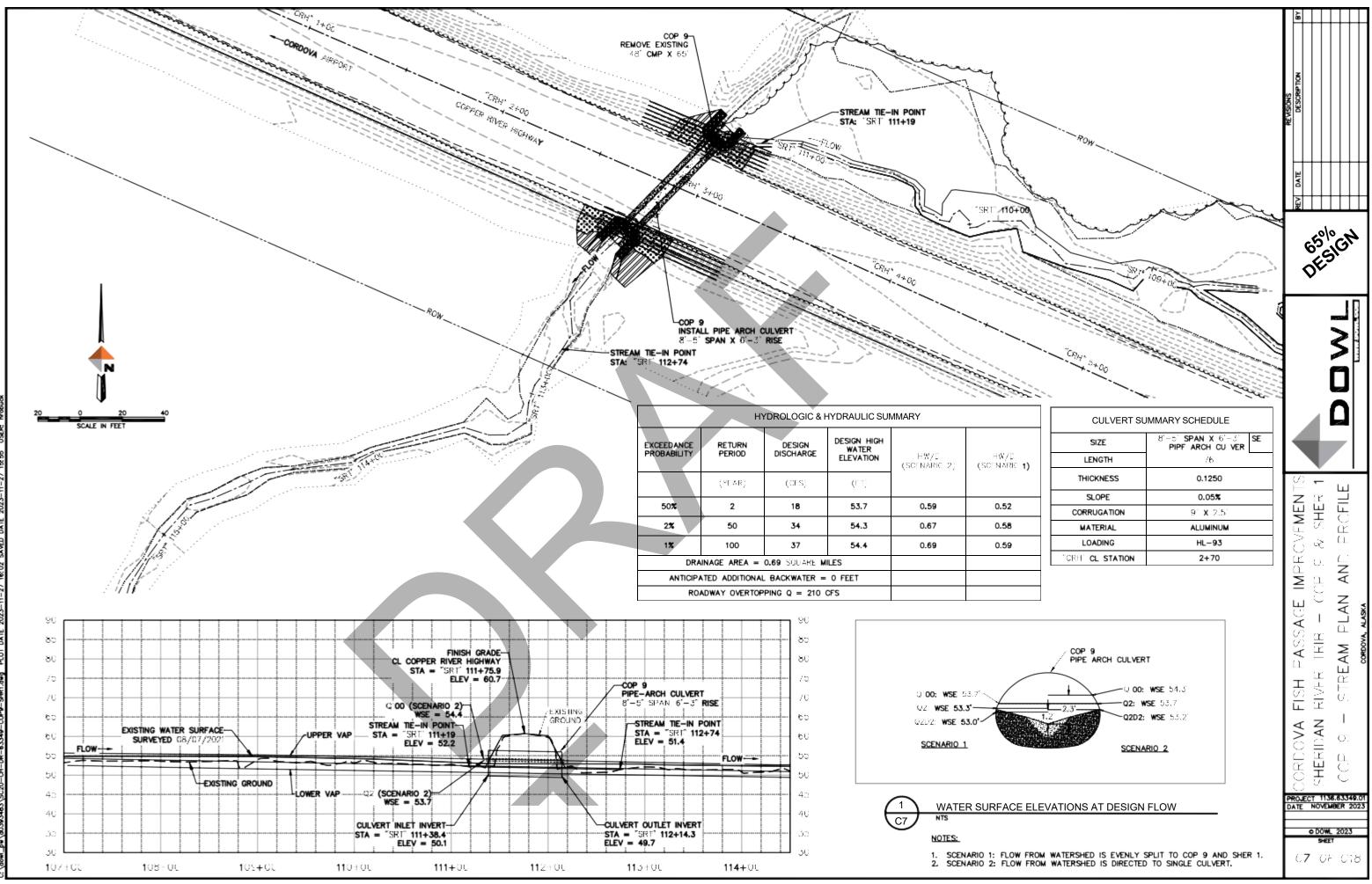
BID FORM PURCHASE FISH PASSAGE CULVERTS

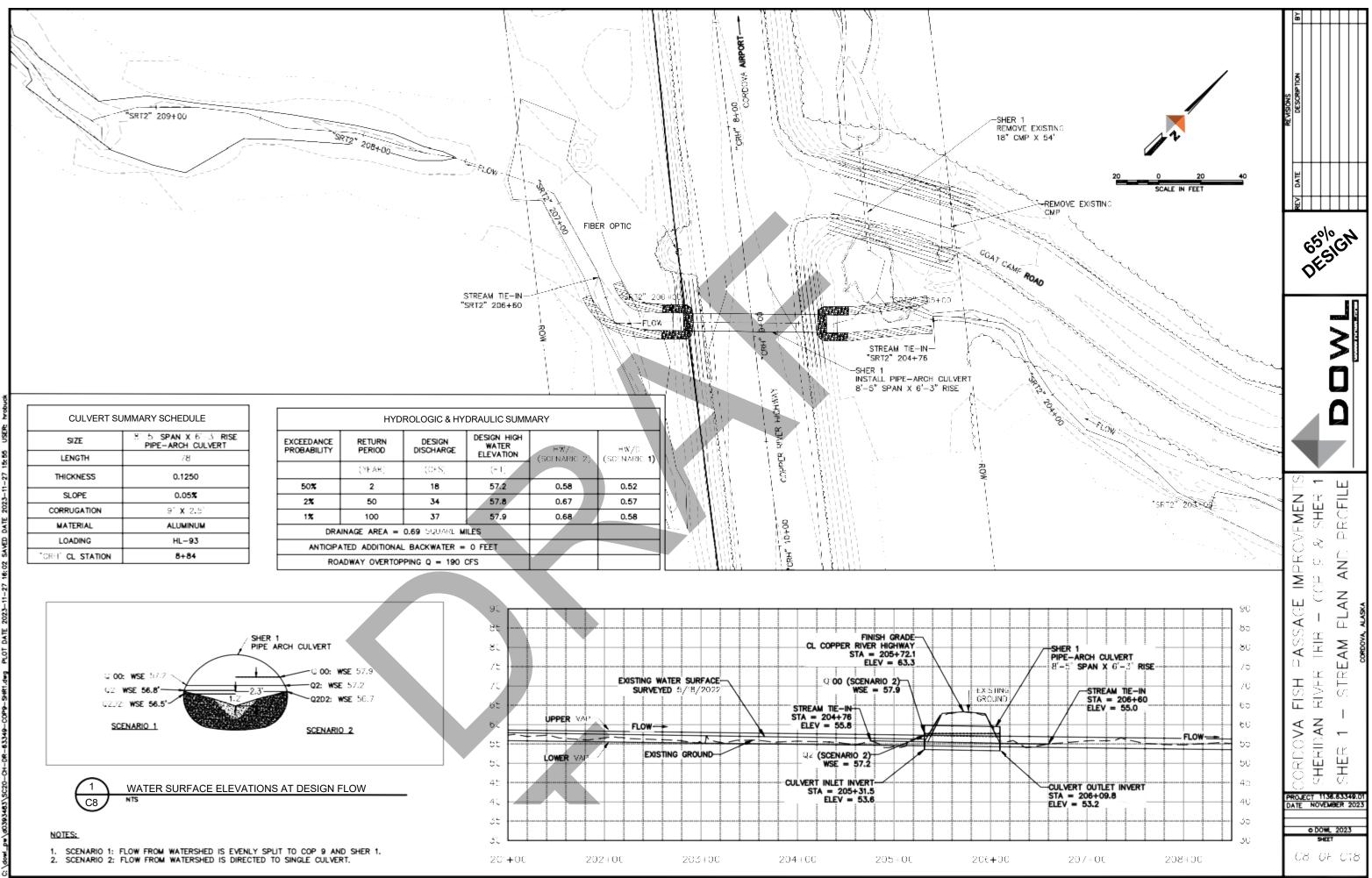
Provide all culvert materials, bands, and miscellaneous accessories/hardware required to assemble the requested pipe arch culverts and aluminized steel culvert (assembly to be completed by a third party and is not in contract) identified in the drawings attached and as described in the scope of work, specifications, and Bid Form. The award will be based on the low bid submitted and the ability to provide materials for construction in 2024. TEC reserves the right to reject any and all bids if materials cannot be delivered by the June 1, 2024, deadline.

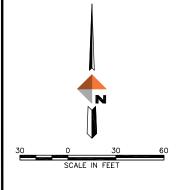
To be completed by the Bidder:

Item	Description	Unit	Bid Price
602.0003.0000	STRUCTURAL PLATE ALUMINUM ARCH CULVERT 8'-5" SPAN, 6'-3" RISE, (76' LENGTH)	LS	\$
602.0003.0000	STRUCTURAL PLATE ALUMINUM ARCH CULVERT 8'-5" SPAN, 6'-3" RISE, (78' LENGTH)	LS	\$
603.0001.0072	ALUMINIZED CORRUGATED STEEL PIPE 72 INCH, (50' LENGTH)	LS	\$
		TOTAL	\$

The anticipated date for delivery of materials to Cordova, Alaska is ______.







CAB 2 - CULVERT SUMMARY SCHEDULE

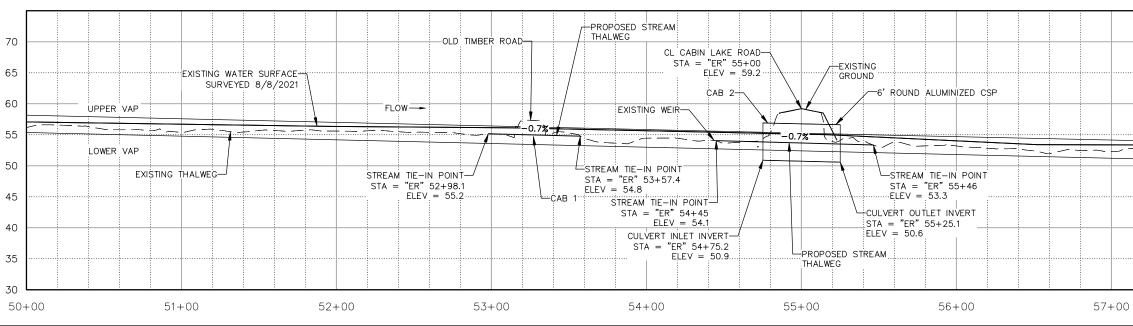
SIZE	6' ROUND CSP		
LENGTH	50'		
SLOPE	0.7%		
CORRUGATION	3" X 1"		
MATERIAL	ALUMINIZED STEEL		
LOADING	HL-93		
EMBEDMENT	2.9'		
"CLR" CL STATION	3+20.64		

CAB 2 - HYDROLOGIC & HYDRAULIC SUMMARY						
EXCEEDANCE PROBABILITY	RETURN PERIOD	DESIGN DISCHARGE	DESIGN HIGH WATER ELEVATION	REGULATORY FLOOD	HW/D	
	(YEAR)	(CFS)	(FT)	12000		
50%	2	6	54.50	N/A	0.21	
2%	50	10	54.80	N/A	0.32	
1%	100	11	54.90	N/A	0.34	
DRAINAGE AREA = 0.08 SQUARE MILES						
ANTICIPATED ADDITIONAL BACKWATER = 0 FEET						
ROADWAY OVERTOPPING Q = 67.5 CFS						

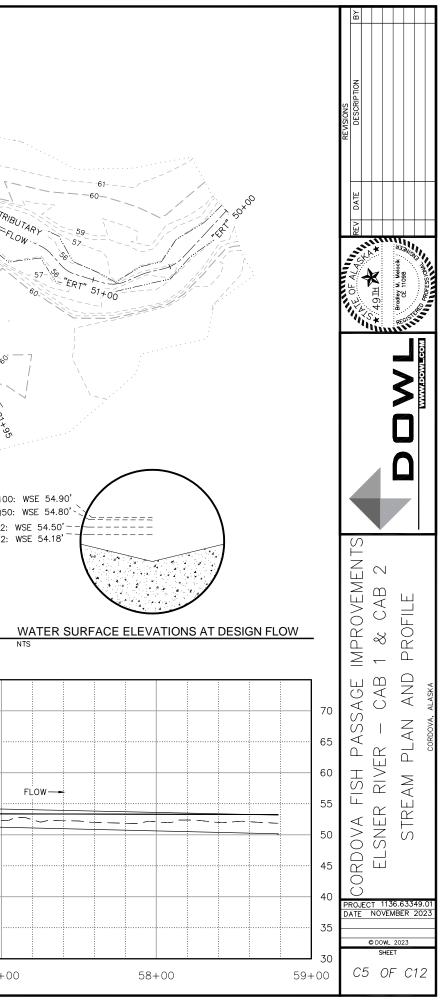
58+

55

"ERT



58+00 FLOW	-58 -57 -56 - 55 - 55 - 56 - 56 - 56 - 56 -	CAB CONSTRUCT CHANNEL THROUGH OLD TIMBER ROAD	00 4 4 4 10 WEIR 57- 10 10 10 10 10 10 10 10 10 10		60 EL SNER RIVER TRIE 51 -STREAM TIE-IN POINT STA: "ERT" 52+98.1 STA: "ERT" 53+12.1 81+00 ERT" 53+36.1 STREAM TIE-IN POINT STREAM TIE-IN POINT STR
_	CAB INSTALL 6' ROUN ALUMINIZED CS		STREAM	1 TIE-IN POINT ER" 54+45	Q100 Q50: Q2: Q2D2:



(1) (C5)