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Addendum 2
Solicitation 23-99646
St. Andrews Bridge Project

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. Please see the attached two-page document identifying changes to the solicitation.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation.

Posted: **October 5, 2023**

ADDENDUM #2, Thursday October 5, 2023

Bridge 69K83 Construction

City Project # 1861

BID No. 23-99646

NOTICE

This Addendum is issued to modify, explain, or correct the original drawings, specifications and/or previous addenda and is hereby made a part of the Contract Documents. Please attach this Addendum to the specification and note receipt of this Addendum on the Request for Bid.

GENERAL

1. Special provisions are modified.
2. Descriptions of changes to drawings are for reference only and provide only a general overview of changes made. It is the Contractor's responsibility to fully assess and provide the specific requirements of the Work on all Plan sheets regardless of the description of sheet change(s) provided herein.

DRAWINGS

None

SPECIFICATIONS

1. Division SP-24, (2108) Soil Stabilization Geogrid of the Project Special Provisions is hereby modified as follows:
 - a. Delete and replace the last sentence of the paragraph with: Provide biaxial geogrid Type 2 meeting the requirements of Table 3733.2-4 in the MnDOT 2020 Specifications for Highway Construction
2. Division SP, (2108) Geosynthetic Construction Materials is added to the Special Provisions.

END OF ADDENDUM

SP-1**(2108) GEOSYNTHETIC CONSTRUCTION MATERIALS****SP-1.1****MATERIALS**

Geotextile fabric Type 6 shall be a woven material and shall meet the requirements of MnDOT 3733 and the following:

Properties	Unit	ASTM Test No.	MARV	
			MD	CD
Grab Tensile Strength	lbs	D-4632	300	250
Grab Tensile Elongation	%	D-4632	15	6
Wide Width Tensile Strength	lbs/ft	D-4595	2400	2400
Wide Width Elongation	%	D-4595	12	8
Trapezoid Tear Strength	lbs	D-4533	120	110
Mullen Burst Strength	psi	D-3786	800 min.	
Puncture Strength	lbs	D-4833	120 min.	
Seam Breaking Strength	lbs	D-4632	225 min.	
Flow Rate	gal/min/ft ²	D-4491	40 min.	
Permittivity (falling head)	sec ⁻¹	D-4491	0.5 min.	
Apparent Opening Size (AOS)	std. sieve	D-4751	30 to 40	
UV Resistance (at 500 hours)	%	D-4355	70 min.	
Mass per Unit Area	oz/yd ²		8.3 min.	

Products that are known to meet the specification listed above are Propex Geotex 2X2HF, TenCate Mirafi HP270, TenCate Mirafi FW404, Winfab 2X2HF, and Winfab 270HP. These products shall be used, or an approved equal.

All necessary samples for testing and required certifications shall be submitted to the Engineer at least 30 days prior to placing any fabric. The Contractor shall provide the Engineer with a copy of the Manufacturer's certificate of compliance with the above performance requirements based on the appropriate test method for each desired property.

SP-1.2**FABRIC PLACEMENT**

The geotextile shall be laid out flat and tight with no folds. The roll machine direction (MD) shall be orientated perpendicular to the roadway centerline. The geotextile fabric panels shall be field sewn, factory sewn or a combination thereof. All seams shall be sewn using a "J" or "butterfly" seam in accordance with MnDOT 3733.2B Table 3733-1, B3 which states a two-spool sewing machine shall be used capable of sewing a Federal Type 401 stitch installed facing upward with the minimum thread strength for sewing being 25 pounds. The number of rows of stitching (1 or 2) and stitches per inch (typically 5-7), shall be consistent with achieving the required seam strength and as recommended by the geotextile manufacturer. No gluing of seams shall be allowed.