

# Technical Memorandum



**TO:** Mr. CJ Youmans, P.E. ([Cj.Youmans@rsandh.com](mailto:Cj.Youmans@rsandh.com))  
RS&H, Inc.  
10748 Deerwood Park Blvd. South  
Jacksonville, Florida 32256

**FROM:** **John O'Donnell, P.E.**  
Geotechnical Department Manager

**DATE:** April 5, 2023

**RE:** **Preliminary Geotechnical Considerations  
Pavement Cores**  
First Coast Expressway – From East of CR 2209 to East of CR 16A Spur  
St. John's County, Florida  
FPID: 422938-8-52-01  
Terracon Project Number: EQ175017

This memorandum presents the results of the pavement cores that were performed at locations as specified by CJ Youmans via e-mail correspondence on January 21, 2018 and Courtney Hance September 19, 2019.

Attachments: Pavement Core Logs

## PAVEMENT CORING RESULTS

First Coast Expressway – From East of CR 2209 to East of  
CR 16A Spur  
FPN: 422938-8-52-01  
St. Johns County, Florida  
Terracon Project No. EQ175017

CORE NO., APPROXIMATE STATION & OFFSET, DATE DRILLED	DEPTH RANGE (INCHES)	DESCRIPTION
PC-14 CR 16A Westbound 1297+12 264' RT 3/6/2018	0.0 – 4.4 4.4 – 6.0 <u>6.0 – 6.6</u> CBT <sup>1</sup>	Friction Course 1 TYPE 2 Binder Course GWL <sup>2</sup> : Not Encountered at TOC <sup>3</sup>



**Notes:** 1. CBT = Core Boring Terminated  
2. GWL = Groundwater Level  
3. TOC = Time of Coring

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CORE NO., APPROXIMATE STATION & OFFSET, DATE DRILLED	DEPTH RANGE (INCHES)	DESCRIPTION
PC-15 CR 16A Eastbound 1297+11 244' RT 3/6/2018	0.0 – 3.9 3.9 – 4.8 4.8 – 5.3 <u>5.3 – 6.3</u> CBT <sup>1</sup>	Friction Course 1 TYPE 1 TYPE 2 Binder Course GWL <sup>2</sup> : Not Encountered at TOC <sup>3</sup>



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CORE NO., APPROXIMATE STATION & OFFSET, DATE DRILLED	DEPTH RANGE (INCHES)	DESCRIPTION
PC-16 CR 16A Westbound 1277+18 1219' LT 3/6/2018	0.0 – 2.8 2.8 – 4.5 4.5 – 5.0 <u>5.0 – 6.5</u> CBT <sup>1</sup>	Friction Course 1 TYPE S or SP TYPE 2 Binder Course GWL <sup>2</sup> : Not Encountered at TOC <sup>3</sup>



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CORE NO., APPROXIMATE STATION & OFFSET, DATE DRILLED	DEPTH RANGE (INCHES)	DESCRIPTION
PC-16A CR 16 Westbound Shoulder 1277+12 1211' LT 3/6/2018	<u>0.0 – 3.5</u> CBT <sup>1</sup>	TYPE S or SP GWL <sup>2</sup> : Not Encountered at TOC <sup>3</sup>



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