

Accepted Manuscript

Flexural Behavior of Full-Scale Circular Concrete Members Reinforced with Basalt FRP Bars and Spirals: Tests and Theoretical Studies

Salaheldin Mousa, Hamdy M. Mohamed, Brahim Benmokrane, Emmanuel Ferrier

PII: S0263-8223(18)30962-0
DOI: <https://doi.org/10.1016/j.compstruct.2018.06.107>
Reference: COST 9901

To appear in: *Composite Structures*

Received Date: 10 March 2018
Revised Date: 23 May 2018
Accepted Date: 27 June 2018



Please cite this article as: Mousa, S., Mohamed, H.M., Benmokrane, B., Ferrier, E., Flexural Behavior of Full-Scale Circular Concrete Members Reinforced with Basalt FRP Bars and Spirals: Tests and Theoretical Studies, *Composite Structures* (2018), doi: <https://doi.org/10.1016/j.compstruct.2018.06.107>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Flexural Behavior of Full-Scale Circular Concrete Members Reinforced with Basalt FRP

Bars and Spirals: Tests and Theoretical Studies

Salaheldin Mousa,¹ Hamdy M. Mohamed,² Brahim Benmokrane³, and Emmanuel Ferrier⁴

¹ PhD candidate

Department of Civil Engineering

University of Sherbrooke, Quebec, Canada

Salaheldin.Mousa@usherbrooke.ca

² Postdoctoral Fellow

Department of Civil Engineering

University of Sherbrooke, Quebec, Canada

Hamdy.Mohamed@usherbrooke.ca

³ **Corresponding author.** Professor of Civil Engineering and Tier-1 Canada Research Chair in Advanced Composite Materials for Civil Structures and NSERC Chair in FRP Reinforcement for Concrete Structures, Department of Civil Engineering, University of Sherbrooke, Sherbrooke, Quebec, Canada, J1K 2R1. Brahim.Benmokrane@usherbrooke.ca, Tel.: 1-819-821-7758.

⁴ Professor

Director of the Laboratory of Composite Materials for Construction

University Lyon 1, IUT LYON 1, Villeurbanne Cedex, France

emmanuel.ferrier@univ-lyon1.fr

Download English Version:

<https://daneshyari.com/en/article/6702610>

Download Persian Version:

<https://daneshyari.com/article/6702610>

[Daneshyari.com](https://daneshyari.com)