Project Profile: TBM TUNNELING

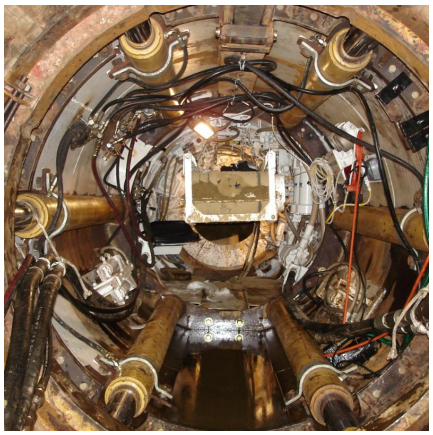
BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

International Paper Company Effluent Pipeline
Cantonment, FL



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 1,150' of 75' O.D. Rib and Board Tunnel, as well as 48"• DIP Carrier pipe to be utilized as an effluent pipeline. Bradshaw Construction worked through severe weather conditions which caused shaft movement and water intrusion. In addition, the work was completed within a residential zone. Bradshaw worked closely with the General Contractor and local residents to be sure all parties were happy with our tunnel progress, paying special attention to the crossing of gas utility lines. The tunnel alignment was revised by Bradshaw within the last 200 feet, allowing for a successful tie-in to previously installed open-cut pipe.





PROJECT INFORMATION - 497

OWNER:
International Paper
850-968-2121

ENGINEER:
Jacobs Engineering
Robert Leacock
864-676-5456

CONTRACTOR:
Garney Companies, Inc.

COMPLETION DATE:
6/8/2011

GEOLOGY:
Clay & Sandy Silts

EXCAVATION METHOD:
Akkerman Excavator Shield &
Wheeled WM-60C TBM

MINING DIMENSIONS:
1150' x 75" Rib & Board TBM Ø

FINAL LINING:
48" Ductile Iron Pipe

FOR MORE INFORMATION:
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Refer to Project 497