

## Harbor Island FM Tampa, FL



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed one launch shaft (34'x34'x27VF) and one recovery shaft (25'x25'x21VF) to facilitate the installation of twin microtunnel drives totaling 1,220 LF utilizing 73.5" steel casing for 48" and 54" Ductile Iron FM in Tampa, FL. The tunnels were installed below the water table in subsurface conditions that ranged from limestone to sand and silty clay. The twin tunnels progressed beneath the secured entrance into the Port of Tampa with extensive freight traffic. This location made the MTBM Recovery Shaft operations particularly challenging as it was on active roadways within the Port Gate. Accomplishing this work required extending the twin drives by about 110 LF in order to avoid shutting down the freight egress.



### PROJECT INFORMATION - 615

#### OWNER:

City of Tampa  
Charlie Lynch  
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#### ENGINEER:

Wade Trim  
Tom Wilson  
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#### CONTRACTOR:

Kimmins Contracting Corporation

#### COMPLETION DATE:

12/23/2021

#### GEOLOGY:

Weathered limestone, sand, clay

#### EXCAVATION METHOD:

Microtunneling

#### MINING DIMENSIONS:

1220' x 73.5" Ø

#### FINAL LINING:

48" DIP

54" DIP

#### FOR MORE INFORMATION:

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Refer to Project 615