PARTNERSHIPS IN CAPITAL PROJECTS

MIAMI ACCESS TUNNEL

November 2013

www.portofmiamitunnel.com
Local Importance of PortMiami

PortMiami is the cruise capital of the world, the 11th national cargo port and the top seaport in Florida based on containerized shipments

- $15 billion in imports/exports
- 180,000 jobs
- $6.4 million in wages
- $18 billion in economic output
- More than a dozen shipping lines servicing 250 ports
- More than 4 million cruise passengers in FY 2011-2012
Project Benefits

- Provide a direct connection between the Seaport, Airport and the Interstate Highway System
- Maintain PortMiami as the county’s second leading economic generator
- Relieve congested downtown Miami streets of Port passenger and cargo traffic, improving safety as trucks also traverse areas of pedestrian activity.
- Facilitate ongoing and future development plans in and around downtown Miami

16,000 vehicles (nearly 7,000 trucks & buses) travel to and from the port daily. By 2030, estimated truck traffic will nearly double.
Project Partners

Public Partners

- Miami Dade County
- Florida Department of Transportation
- City of Miami

90% Equity Partner

Meridian Infrastructure

10% Equity Partner

Bouygues

MAT Concessionaire LLC
Concessionaire

Senior Lenders
Pool of 11 Investment Banks

Financing

Transfield Services

Construction Contractor

Bouygues Civil Works

Florida

Transfield Services Infrastructure, Inc.
O&M Contractor
Public-Private Partnership

- Project structured as a PPP
- Concessionaire will design, build, finance, operate and maintain tunnel for 35 years
  - Design & Construction - first 55 months
  - Operate & Maintain - remaining 30 years and 5 months through facility hand-back
- No tolls allowed in the Concession Agreement
- Concessionaire compensated through
  - Milestone payments during construction period
  - Availability payments during operating period
The Successes of the POMT Deal

- Removed traffic risk out of the equation
- TIFIA Loan funding
- 10 Banks provided additional funding
- Geology contingency fund
Scope of Work

- Shifting of EB MacArthur Cswy
- Twin tunnels under Government Cut
- MacArthur Cswy Bridge Widening
- Modification of Dodge Island Roadway System
MacArthur Causeway Bridge Widening & Watson Island

- 18 Piers and 28 beams are being added
Dodge Island Roadway Improvements

- Construction of Eastbound & Westbound Port Blvd.
- South Cruise Boulevard
- Internal Roadways
Harriet – Tunnel Boring Machine

- TBM weighs **3,000 tons**
- TBM cutter head with an outside diameter of **42.3 feet** (as high as a 4 story building)
- **361 foot** long trailing support gear made up of **6 gantries**
- Total length of the TBM is **428.5 feet** long (more than a football field).
Eastbound Tunnel Interior

Boring Started: November 11, 2011
Breakout on Dodge: July 31, 2012
Rings Installed: 745 Rings
Length of Bored Tunnel: 4,186 LF
Westbound Tunnel Interior

Boring Started: October 30, 2011
Rings Installed: 745
4152 of 4152 LF = 100 %
Cross Passages

- The tunnel has five cross passages, or emergency exits.
- The first, fourth and fifth cross passages are not underneath the channel.
- The other two cross passages, which go underneath Biscayne Bay, are being treated with a brine to freeze the ground.
Dodge Island Tunnel Portal
Watson Island Tunnel Portal
MacArthur Causeway view
Tunnel Interior

May 15, 2014 – Substantial Completion
PUBLIC OUTREACH
Proactive Strategy

In Miami's hyper-active media and political environment every public infrastructure project has the potential to become a local “hot-button” issue—and mastering community relations and public outreach tactics is now as important as engineering and construction aptitude.
Hot Issues & Stakeholder Meetings

- Traffic (MOT)
- Noise
- Air
- Job creation
- Financing
- Tolls
- Schedule
- Tourism impacts
- Supporters’ validation
Operation “305”

- Job Fairs and Community Events
  - City of Miami CRA Overtown Folklife Job Fair
  - Minority Enterprise Development Week
  - M-D County Office of Economic Development
  - Operation 305 Expo
  - Haitian American Chamber of Commerce
  - New Birth Enterprises
  - Southern Florida Minority Development Council Conference
  - Senator Frederica Wilson’s Local Job Fair
- Organized Labor
  - IBEW
  - LiUna – [www.build305.com](http://www.build305.com)
Local Hiring Efforts
Vendor & Supplier Expo

Exposición de Contratistas & Proveedores

Cuándo: Miércoles, 1 de diciembre, 2010 7:30 – 10 a.m.

Dónde: Puerto de Miami Terminal J 1120 Caribbean Way Miami, FL 33132

Pro-Inscripción en $25 ($35 el día del evento)

Inscríbase en línea en el: TunnelOperation105.com

Para más información, favor llamar a Carlos Terán al (305) 648-8863, ext. 206

Por favor traiga identificación con foto para presentar en la entrada del puente.

Operación 305 es una iniciativa para incentivar la contratación de empresas para el proyecto de excavación del "Túnel al Puente de Miami" (TBM) y apertura del nuevo muelle.

La inscripción está abierta a todos los empresarios de empresas de pequeñas y medianas empresas que estén interesados en ser contratados para el proyecto del túnel y se presentarán en la Expo.

La fecha de inscripción es el 25 de noviembre, 2010.
National Engineering Week

For Immediate Release
February 15, 2011

Contact: Denise Pojomovskiy
786-262-0836

Tunnel Team Seeks to Inspire Engineering Students

MIAMI — To promote National Engineer’s Week and inspire students in Miami-Dade County, the Port of Miami Tunnel project team will visit three high schools offering specialized engineering classes. Project engineers will explain the unique and innovative tunnel being built in South Florida, and then will speak about their careers and precious experience before joining the tunnel team. The team is providing teachers an introductory video on tunnels around the world which will be shown to classes before the visits.

“This project is receiving global attention, so it’s a perfect opportunity to reach out to our engineering high schools,” said Gus Pego, Secretary of Florida Department of Transportation (FDOT) District Six. “We want to make sure future engineers are motivated by the Port of Miami Tunnel project and about the local, national and international opportunities available in the engineering profession.”

The project team will visit two nationally certified engineering academies, North Miami Senior High School and Hialeah Gardens Senior High School, and Booker T. Washington Senior High School, which is currently applying for national certification. These schools are among the few in Miami-Dade County that offer any engineering classes to students in grades nine through 12.

The initiative is being coordinated by School Choice and Parental Options program of Miami-Dade County Public Schools and Miami Access Tunnel (MAT), the private consortium building the tunnel in partnership with the FDOT District Six. This is the outreach program’s first year and the project team hopes to expand it in coming years, since the tunnels won’t be completed until 2014.

“We want to emphasize to high school students the importance of continuing on to higher education,” said Chris Hodgkins, vice president of MAT.

For more information, please contact Denise Pojomovskiy at 786-262-0836 or denise@portofmiami.com.

MAT Concessionaire, LLC • www.portofmiamitunnel.com
Girl Scouts Program & TBM Naming Contest

MAT held the following activities with the Girl Scouts STEM (Science, Technology, Engineering & Math) program:

- TBM Naming Contest Kick-off and Educational Program
- TBM Naming Contest Award Ceremony, where Harriet was announced
- Customized MAT Badge (for their sashes) for participation in our educational program.
Harriet Ad

Girl Scouts connect Port of Miami Tunnel to the ultimate trailblazer...

Harriet Tubman, passionate abolitionist and women’s suffrage advocate, embodied the bold spirit of this community. Her Underground Railroad escape missions not only guided slaves to freedom, but launched her life-long push for equal rights. This legacy is why the Council of Tropical Florida Girl Scouts named the 3,300-ton Tunnel Boring Machine “Harriet” – a strong symbol to connect with our powerful TBM.

We’re building more than a tunnel; we are creating hope in young lives. Together, let’s show future engineers, technologists and geologists what South Florida’s imagination and can-do attitude will accomplish. Visit PortofMiamiTunnel.com to learn more.
Miami Children’s Museum

- Bob the Builder Exhibit
- Annual Halloween Event
- Charter School Presentations
- Tunnel Club
- Kiosks and Kids’ Zone
Informational Kiosks
Coral Gables Museum Exhibit
TBM Breakout

July 31, 2012

- More than 500 attendees
- Every local news organization
- National media coverage
- Live Breakout with TBM crew describing what was happening as machine broke out
Obama’s Tunnel Visit
Media Relations

Media Events
- Groundbreaking
- TBM ship arrival
- TBM cutter-head lowering
- Site tours
- TBM Launch
- TBM Breakout
Community Partnerships
Questions?

For additional project information, please visit our website at:

www.portofmiamitunnel.com

Project Videos & Gallery