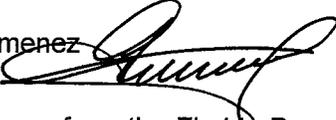


Memorandum



Date: January 18, 2012

To: Honorable Chairman Joe A. Martinez
and Members, Board of County Commissioners

From: Carlos A. Gimenez 
Mayor

Subject: Correspondence from the Florida Department of Transportation re: Port of Miami Tunnel Project

Attached please find a progress report from the Florida Department of Transportation (FDOT) regarding the Port of Miami Tunnel (POMT) Project.

I will continue to provide the Board with updates as they become available from the FDOT. Please call me directly should you have any other questions.

Attachment

c: Gus Pego, FDOT District VI Secretary
Robert A. Cuevas, Jr., County Attorney
Charles Anderson, Commission Auditor
Deputy Mayors
Bill Johnson, Seaport Director



Florida Department of Transportation

RICK SCOTT
GOVERNOR

1000 NW 111 Avenue
Miami, Florida 33172-5800

OFFICE OF THE
SECRETARY

January 6, 2012

The Honorable Carlos Gimenez
Mayor, Miami-Dade County
Stephen P. Clark Center
111 NW 1st Street, Suite 2910
Miami, FL 33128

RE: Port of Miami Tunnel Project
Monthly Progress Report

Dear Mayor Gimenez:

Enclosed for your information is a copy of the combined October and November 2011 Progress Report for the Port of Miami Tunnel.

If you or your colleagues have any questions or comments, please feel free to contact me at 305-470-5197 or via email at gus.peggo@dot.state.fl.us.

Sincerely,

Gus Pego, P.E.
District Secretary

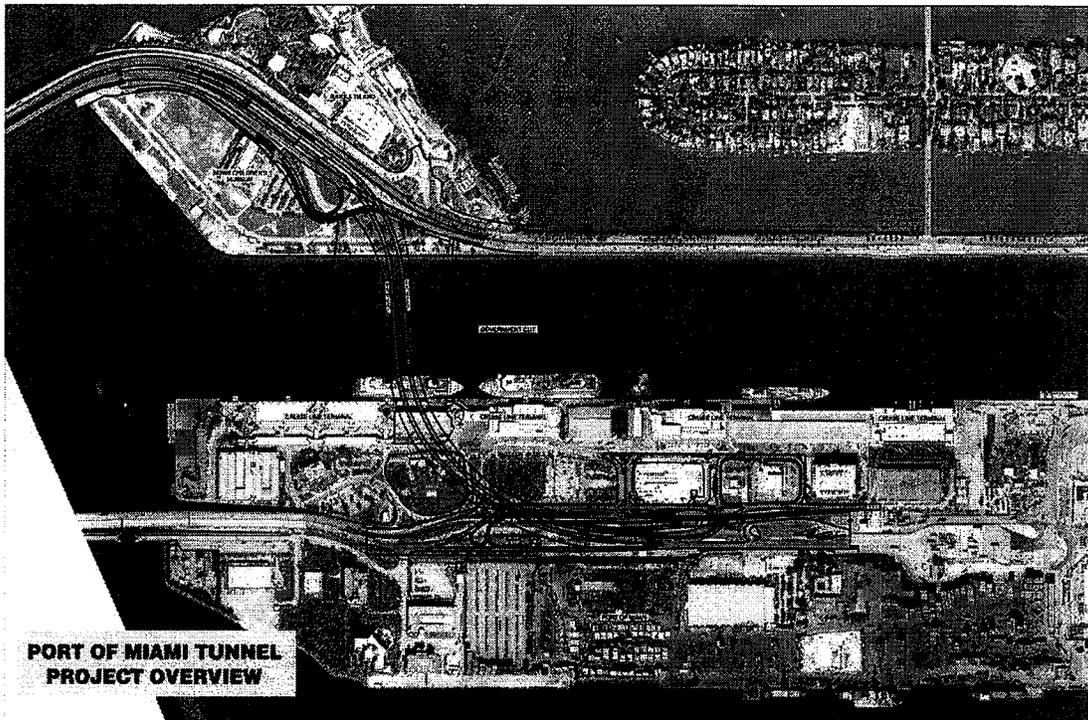
Enclosure

cc: Alina Hudak, Deputy Mayor/County Manager (via email only)
Jack Osterholt, Deputy Mayor (via email only)
Bill Johnson, Seaport Director (via email only)



Port of Miami Tunnel Project

Combined Monthly Progress Report – October & November 2011



Port of Miami Tunnel – October & November 2011 Combined Monthly Report

PROJECT STATISTICS:

| Project Information | | Key Dates and Milestones | |
|--|-------------------------------------|---|-----------------------|
| Financial Project ID | 251156-3-52-01 | NTP # 1 – Design | Oct 15, 2009 |
| Contract # | E6F67 | NTP # 2 – Construction | May 24, 2010 |
| Owner | FDOT – District 6 | Percent Complete/Days Used: | 44.0 % 777 of 1765 |
| Owner’s Engineer (Design) | PB Americas, Inc. | Construction Cost: | \$607 Million |
| Owner’s CEI Representative | PB Americas, Inc. | Milestone Payment # 1 – design for tunnel | \$20 Million |
| Concessionaire | MAT Concessionaire, LLC | Milestone Payment # 2 – TBM at work in 1 st bore | \$40 Million |
| Design/Build Contractor | Bouygues Civil Works Florida (BCWF) | Milestone Payment # 3 – TBM at work in 2 nd bore | \$25 Million |
| Engineer of Record | Jacobs Civil | Milestone Payment # 4 – Substantial completion of MAC | \$15 Million |
| Maintenance and Operator | Transfield / VMS | Milestone Payment #5– Final Acceptance | \$350 Million |
| Concession Agreement | 35 Years | Construction Substantial Completion | May 15, 2014 |
| Contractual Design and Construction Duration | 55 Months | Construction Final Acceptance Completion | Aug. 14, 2014 |

CONTRACTS AMENDMENTS

| SA # | Date | Description | Amount | Status |
|------|----------|---|------------------|----------|
| 1 | 10/25/10 | Incorporation of Wage Rate Tables | \$0.00 | Executed |
| 2 | 09/07/11 | Incorporation of E-Verify Requirements | \$0.00 | Executed |
| 3 | | Alternative Alignment - Single Portal Realignment on Dodge Island (Credit) | (\$2,500,000.00) | Pending |
| 4 | | MacArthur Causeway Improvements: Bike Lane Extension, U-Turn at Watson Island & Extension of Milling & Resurfacing Limits | \$390,696.83 | Pending |

MILESTONE PAYMENTS

1. Milestone No. 1: Completion of Design Work for Tunnel (\$20 Million)
 - a. Achieved on 9/30/2011
2. Milestone No. 2: Tunnel Boring Machine at Work in First Bore (\$40 Million)
 - a. Achieved on 11/19/2011

SCHEDULE

Bouygues Civil Works Florida, Inc. (BCWF) submitted the November 20, 2011 Update and it indicated no delay to Substantial Completion. The Tunnel Boring Machine (TBM) began cutting in the ground on November 12, 2011 and the first permanent ring was installed on November 18th, 2011. The October

Port of Miami Tunnel – October & November 2011 Combined Monthly Report

Updated Schedule continues to depict the critical work to be the tunnel construction activities of TBM erection, with the Dodge Island Support of Excavation (SOE) becoming a near critical activity.

DESIGN PROGRESS

Watson Island

FDOT reviewed and provided comments for the following design packages:

1. Raft Plans and Calculations
2. MAC Bridge Widening Superstructure Plans and Calculations - Revision 1
3. Watson Island: U Walls Plans

Documents submitted that are currently under review:

1. Water Main Utility Relocations Plans
2. Sanitary Sewer Utility Relocation Plans
3. Lighting Plans
4. MacArthur Causeway Aesthetic Lighting System – Design Report

Dodge Island

FDOT reviewed and provided comments for the following design packages:

1. Operation Facilities
2. Bored Tunnel Geotechnical Instrumentation Plans
3. Drainage Design Report
4. Bored Tunnel Settlement Assessment Calculation Note
5. SOE – Type II Tension Elements Load Testing Geotechnical Report
6. Cut and Cover Plans 60% Plans and Calculations
7. Flood Gate Enclosure Specifications
8. Flood Gate Enclosure 60% Plans and Calculations
9. SOE Plans and Calculations Revision 02
10. Roadway Design Package 2, Revision 2
11. Signalization Plans
12. Dodge Island Sanitary By-Pass Plans
13. Sanitary Sewer Utility Relocation Plans
14. Roadway Design Package 4 - Alternate Traffic Control Plans

Documents submitted this month that are currently under review:

1. Sanitary By-Pass Plans
2. Roadway Plans Package 2 Revision 2 (re-submittal)
3. South POM and AT&T Facilities Relocation Plans
4. Construction Effect on Structures Report

Tunnel Design

FDOT reviewed and provided comments for the following design packages:

1. Roadway Tunnel Plans submitted for Milestone 1.
2. Quality Control Plan
3. Confinement Pressure for EPB Process
4. Formation Grouting: Cross Passages and Tunnel Boring Machine intervention
5. Segmental Lining Quality Control for Durability – Concrete Permeability
6. Formation Grouting: Dive Plan Method Statement

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7. Formation Grouting: Dodge Utilities Interferences with Grouting Zones
8. Formation Grouting: Grouting Pattern Definition
9. Formation Grouting: Patterns General Design Layout
10. Formation Grouting: Site Office Area - General Layout
11. Formation Grouting: Existing Condition As-Built Plan View and Cross Section
12. Formation Grouting - Foundation Layout and Foundation Reinforcing Detail
13. Formation Grouting: JCA Engineering Slab Design
14. Formation Grouting: Dodge Mooring Area Layout
15. Formation Grouting: Subcontractor Jobsite Specific Plan (JSSP)
16. Formation Grouting: Hazard Communication Program
17. Formation Grouting: Health and Safety Plan
18. Formation Grouting: Hurricane Plan
19. Formation Grouting: General Method Statement
20. Formation Grouting: Inspection & Testing Plan - Watson, Dodge and Channel
21. U-Wall, Cut and Cover Tunnels and Cross Passages Durability Report
22. Subsurface Method Plan
23. Formation Grouting : Method of Measurement of Grout - Raw Materials, Grout Mixing & Grout
24. Cross Passages Space-Proofing Study
25. Technical Special Provisions: Portland Cement Treated Material (Plant Mixed)

Documents submitted this month that are currently under review are:

1. Formation Grouting: Preconstruction Test from Batching Plant
2. Formation Grouting: Mix Design Characteristics and Properties Test Results
3. Formation Grouting: Dodge Island Hurricane Safe Harbor Plan
4. Formation Grouting: Layer 7 Channel Off-Shore Method Statement
5. Cross Passages Space Proofing Study
6. Tunnel Lining: Assessment of Segments Cast Prior to August 15, 2011
7. Weekly Geotechnical Instrumentation Reports
8. TBM – Annular Void Grouting Method Statement
9. TBM – Water Control Process Water Separation Plant
10. Formation Grouting Layer 7: Watson Island Batching Plant Elevation Layout
11. Formation Grouting Layer 7: General Method Statement
12. Formation Grouting Layer 7: Grout Testing Program Report – Cross Passages Nos. 2 and 3

CONSTRUCTION PROGRESS

For the months of October & November 2011, BCWF performed the following major construction activities:

Watson Island

1. Installed guardrail on exit ramp from Eastbound MacArthur Causeway to Parrot Jungle Trail.
2. Installed sod on Parrot Jungle Trail between MacArthur Causeway.
3. Completed 90% of decorative lighting on Parrot Jungle Trail.
4. Continue construction of MSE Wall along the MacArthur Causeway (90% complete).
5. Continue construction of MSE wall for tunneling operations in shallow soil area located in the MacArthur Causeway median (80% complete).

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MacArthur Bridge

1. Demolition of the existing pier stub walls is 90% completed.
2. Completed construction of approximately 90% of the pier columns.

Dodge Island

1. Completed demolition of the MSE wall for old Westbound Port Boulevard.
2. Completed construction of Florida Way (MOT Phase 2D) and shifted traffic on new Florida Way (MOT Phase 3).
3. Completed the development of BCWF Staging Area at the Seaman's Center.
4. Completed 90% of lead track railroad construction. Punch list items still outstanding.
5. Completed traffic switch onto temporary eastbound South Cruise Blvd.
6. Continue construction of permanent South Cruise Blvd.
7. Continue sanitary sewer relocation and removal.

Underground, Tunnels, Cross Passages & Formation Grouting

1. TBM mining began and approximately 62 LF of tunnel was excavated by 11/30/11.
2. Formation grouting began on Watson Island and in Government Cut channel; approximately 2291 CY of grout was injected in 37 holes by 11/30/11.
3. Support of excavation work was completed on Dodge Island portal.
4. Ground improvement began at Cross Passage 4.
5. Shallow soil mixing (SSM), Barrette installations and Type 2 Tension Piles began on Dodge Island.

Precast Yard

1. By November 30, 2011, the casting plant had manufactured approximately 3246 concrete segments (about 405 rings).

ANTICIPATED CONSTRUCTION PROGRESS FOR DECEMBER 2011

For the month of December, BCWF has scheduled the following major construction activities:

Watson Island

1. Continue installation of MSE wall on Eastbound MacArthur Causeway.
2. Continue construction of MSE wall for tunneling operations in shallow soil area located in the MacArthur Causeway median.

MacArthur Bridge

1. Continue construction of substructure for remaining piers (columns & caps).
2. Complete demolition of pier column stubs.
3. Begin casting beams for the bridge widening.

Dodge Island

1. Continue construction of new permanent South Cruise Blvd. (Tropic Dr.) from Atlantic Way to Panama Way.
 - a. Traffic switch to permanent S. Cruise Blvd. scheduled for 12/20/2011.
2. Continue construction work associated with Detour 3 on east end of Dodge Island.
 - a. Continue utility relocations for detour, including High Mast lighting.
3. Phase 2 water main plan approval from WASD to be procured.
4. Begin Phase 2 water main installation and removal of existing 20" WM.

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Underground, Tunnels, Cross Passages & Formation Grouting

1. Continue eastbound tunnel mining.
2. Continue Formation Grouting on Watson Island and in Government Cut channel.
3. Continue shallow soil mixing (SSM), Barrett and Type 2 pile installations on Dodge Island.

Precast Yard

1. Continue casting concrete segments.

EEO/DBE/OJT

1. DBE
MAT has revised the Anticipated DBE Participation Statement. We are currently on revision number 10 and the current proposed percentage is 8.13%. As of November 2011 MAT has paid the DBE contractors 3.39% out of the 8.1% goal.
2. OJT
BCWF has graduated 2 trainees. In November 2011, eight (8) trainees performed the observation proficiency and are in the process of being graduated. Currently, there are seven (7) additional trainees receiving training and two (2) additional trainees have been identified that will be enrolling in the program.

PUBLIC INFORMATION/COMMUNITY AWARENESS

The Concessionaire/Contractor continues to sponsor vendor and contractor inclusion with “Operation 305” outreach efforts with organizations such as the Miami-Dade Minority Chamber, American-Haitian Chamber of Commerce, Community Small Business Enterprise of Miami-Dade and many other organizations.

To date, the number of companies/vendors with contracts total 535. Of those 535 companies that have or are currently doing business with the tunnel project, the total amount that has been awarded is \$226.9M, with 63% of it going to local, Miami-Dade County firms.

Currently, the reported DBE Participation is \$26.4M or 101.78% of the contracted project goal. To date the POMT Project has let contracts totaling \$24.8M with DBE companies. As of October, total payments made to participating DBE subcontractors total \$13.9M or 53.44% of the contract payment goal.

The project’s outreach efforts have generated a total of 2,615 people who have worked on the Port of Miami Tunnel Project since inception. This total number includes direct hires by the design-build contractor Bouygues Civil Works Florida (BCWF) as well as those persons working on the project through subcontractors retained by BCWF.

Currently, each person working on this project is being counted and tracked via the Certified Payroll as required by the Florida Department of Transportation (FDOT). Recruitment and hiring from BCWF continues each month. As of October 31st, the project peaked at 404 employees, of which 135 are office staff and 269 are workers. To date, those direct hires have yielded 85% of the workforce from Miami-Dade County.

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Union inclusion has been completed with the Laborers International and the South Florida Labor Council. IBEW, AFL-CIO and the Operators are all now part of the POMT project. The project's job website, www.build305.com, is up and running.

Meetings with Miami-Dade County, City of Miami and City of Miami Beach Commissioners continue on an individual and collective basis.

The Concessionaire attended the Miami Beach Transportation Committee meeting on October 3.

The Concessionaire/Contractor met with the Miami Children's Museum to update the museum on upcoming construction on October 5.

The Concessionaire/Contractor met with the PHS Islands HOA Board Members on October 5 and attended the PHS Islands HOA general meeting on October 25 to present a project update.

The Concessionaire/Contractor hosted a Waterways Stakeholder meeting on October 5 to update all organizations such as the U.S. Coast Guard, Chalk's, charter boats, companies that provide materials to cruise ships, about the upcoming operations that will take place in the channel.

The Concessionaire sponsored the Beacon Council annual meeting on October 21.
The Concessionaire developed an educational presentation for the second grade classes at the Miami Children's Museum charter school and visited them on October 25.

The Concessionaire was awarded Best Community Project by the South Florida Hispanic Chamber at their annual awards ceremony on November 3.

The Contractor held an internal TBM Christening Ceremony on November 4.

Coordination with Miami-Dade County, the City of Miami and the Miami-Children's Museum is ongoing so the kiosks can be placed at their respective locations.

The Concessionaire finalized its first project video in the month of November.

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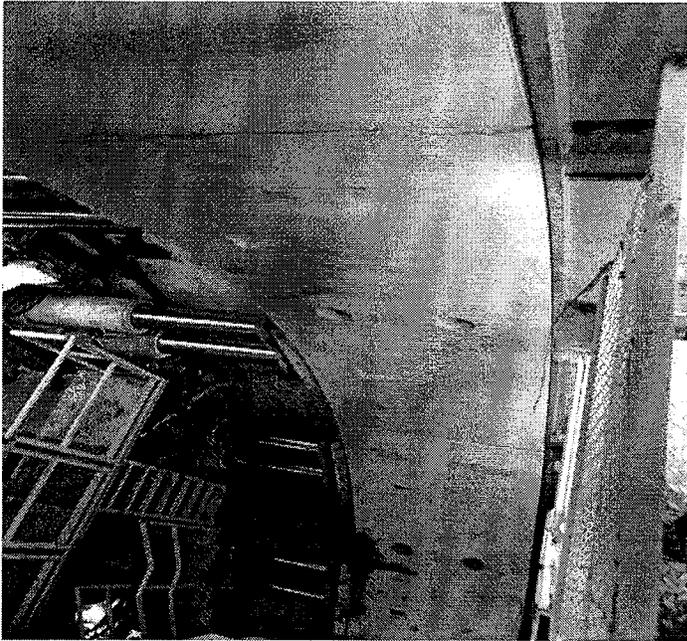


1. Tunnel lining segments in route to project.

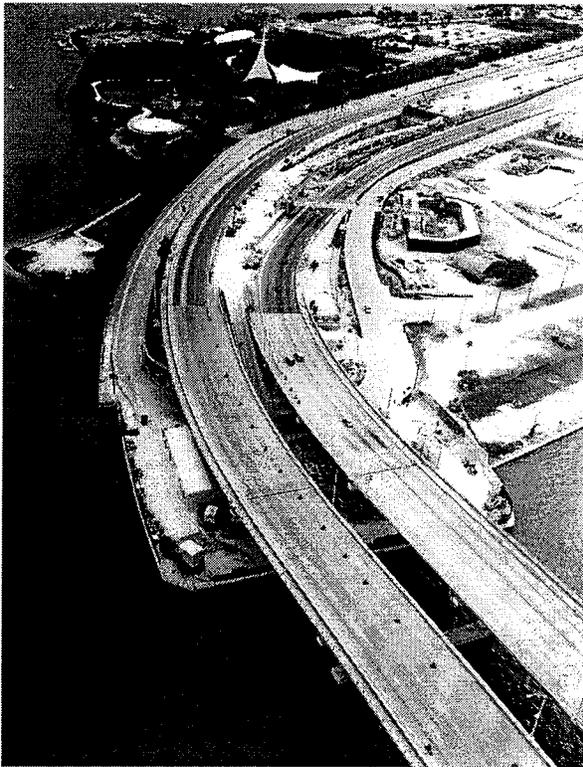


2. TBM assembly.

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3. Tunnel rings installed, TBM jacks extended.



4. Watson Island spoil pit, spoil conveyor and TBM.

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8. Dodge Island: New S. Cruise Blvd. /WB Port Blvd. Intersection



9. Temporary WB Port Blvd. at Old WB Port Blvd. Bridge on Dodge Island.



5. Railroad work on Dodge Island.