

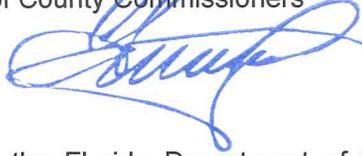
# Memorandum

MIAMI-DADE  
COUNTY

Date: March 27, 2014

To: Honorable Chairwoman Rebeca Sosa  
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 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 questions.

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



*Florida Department of Transportation*

1000 NW 111 Avenue  
Miami, Florida 33172-5800

RICK SCOTT  
GOVERNOR

OFFICE OF THE  
SECRETARY

March 21, 2014

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

Subject: Port of Miami Tunnel Project  
Combined Bi-Monthly Progress Report

Dear Mayor Gimenez:

Enclosed for your information is a copy of the combined January and February 2014 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.pego@dot.state.fl.us](mailto:gus.pego@dot.state.fl.us).

Sincerely,

A handwritten signature in blue ink, appearing to read "Gus Pego".

Gus Pego, P.E.  
District Secretary

Enclosure

cc: Alina Hudak, Deputy Mayor/Interim Director Public Works and Waste Management (email only)  
Jack Osterholt, Deputy Mayor (email only)  
Bill Johnson, Director, PortMiami (email only)



## Port of Miami Tunnel Project

Combined Bi-Monthly Progress Report – January & February 2014

Design Review and  
Construction, Engineering and Inspection Services



Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

**PROJECT STATISTICS:**

Project Information		Key Dates and Milestones	
Financial Project ID	251156-3-52-01	Percent Complete/ Days Used:	90.5 % 1598 OF 1765
Contract #	E6F67	Construction Cost:	\$663.5 Million
Owner	FDOT – District 6	Milestone Payment # 1 –Design for tunnel	\$20 Million (PAID)
Owner’s Engineer (Design)	PB Americas, Inc.	Milestone Payment # 2 – TBM at work in 1 <sup>st</sup> bore	\$40 Million (PAID)
Owner’s CEI Representative	PB Americas, Inc.	Milestone Payment # 3 – TBM at work in 2 <sup>nd</sup> bore	\$25 Million (PAID)
Concessionaire	MAT Concessionaire, LLC	Milestone Payment # 4 – Substantial completion of MAC	\$15 Million
Design/Build Contractor	Bouygues Civil Works Florida (BCWF)	Milestone Payment #5– Final Acceptance	\$350 Million
Engineer of Record	Jacobs Civil	SA #3 – Dodge Single Portal Realignment	(\$2.5 Million)(Executed)
Maintenance and Operator	Transfield Services Infrastructure	SA #4 – Relief Event #6 & #7 & Add'l work	\$59 Million (Executed)
Concession Agreement	35 Years	SA #5 – Acceptance of Rail Road Relocations & Scope Modifications	\$44,756.27 (Executed)
Contractual Design & Construction Duration	55 Months		
NTP # 1 – Design	Oct 15, 2009	Construction Substantial Completion	May 19, 2014
NTP # 2 – Construction	May 24, 2010	Construction Final Acceptance	Aug 18, 2014

**CONTRACT 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	06/28/12	Alternative Alignment - Single Portal Realignment on Dodge Island (Credit)	(\$2,500,000.00)	Executed
4	01/30/13	Relief Event #6 & #7 as well as other additional work	\$59,000,000.00	Executed
5	12/12/13	Final Partial Acceptance of Dodge Railroad Tracks, Barrier Mounted Signs, Driveway Additions, Sign Structure 19 scope deletion, Vandal Resistant Pull Boxes, DMS Replacement, and Fiber Optic Conduit.	\$ 44,756.27	Executed

## Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

### **MILESTONE PAYMENTS:**

1. **Milestone No. 1: Completion and FDOT approval of the Design Work for the tunnel bore and linings, excluding mechanical, electrical and plumbing design (\$20 Million)**
  - a. Achieved on 9/30/2011
2. **Milestone No. 2: Tunnel boring machine at work in the first bore (\$40 Million)**
  - a. Achieved on 11/19/2011
3. **Milestone No. 3: Tunnel boring machine at work in the second bore, but in no event prior to completion of the tunnel and lining of the first bore (\$25 Million)**
  - a. Achieved on 11/2/2012
4. **Milestone No. 4: Substantial completion of Construction Work on MacArthur Causeway (\$15 Million)**
  - a. Anticipated for May 2014
5. **Milestone No. 5: Final Acceptance of the Work (\$350 Million)**
  - a. Anticipated for 8/18/14

### **SCHEDULE**

Bouygues Civil Works Florida, Inc. (BCWF) submitted the December 2013 Schedule Update and it indicates a Substantial Completion date of May 19, 2014, which exceeds the Contract Substantial Completion date of May 16, 2014. BCWF states the delay is resulting from the impact of Tropical Storm Isaac, a Force Majeure event.

### **DESIGN PROGRESS FOR JANUARY & FEBRUARY 2014**

*The following is a summary of the design documentation received and reviewed during the months of January & February:*

#### **Watson Island**

Documents submitted these months that are currently under review are:

1. Watson Island Roadways: MacArthur Causeway Plans RFC Rev. 11
2. Watson Island Roadways: MacArthur C Bridge Widening Plans- Rev. 4
3. Watson Island : Cut & Cover Plans Rev. 02
4. Watson Island Roadways: Signing & Pavement Marking Plans – Revision 4
5. Watson Island U-Wall Plans Revision 4
6. Watson Island Landscape: Nursery Visit 02-24-2014

FDOT reviewed and provided comments for the following design packages:

1. BCWF Spill Prevention, Control & Countermeasures Plan

# Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

## Dodge Island

FDOT reviewed and provided comments for the following design packages:

1. Dodge Island: Cut & Cover Plans Rev. 02
2. Dodge Island: Operations Building Site Plans. Rev. 01

Documents submitted this month that are currently under review are:

1. Dodge Island Roadways: Signing & Pavement Marking Plans Revision - Revision 4
2. Dodge Island Roadways: Signing & Pavement Marking Plans Revision – Revision 3
3. Dodge Island Retaining Wall Plans Revision – Revision 2
4. Dodge Island Roadways Package 3 Plans Revision - Revision 6

## Tunnel Design

FDOT reviewed and provided comments for the following design packages:

1. MEP Specifications – Revision
2. SCADA/ITS: Requirement Traceability & Verification Matrix (RTVM)
3. Tunnel Finishes- Architectural Concept (re-submittal.)
4. Tunnel Lighting Plans RFC Rev. 02
5. Architectural Tunnel Finish, Cross Passages & Cut and Cover - Rev. 01
6. Architectural Tunnel Finishes Plans
7. Architectural Cross Passages Plans & Calculations
8. Tunnel Electrical Service Plans Revision 2
9. Tunnel Scada System Plans RFC Rev. 2

Documents submitted this month that are currently under review are:

1. Architectural Tunnel Finish, Cross Passages & Cut & Cover Specs (Re-submittal.)
2. Architectural Tunnel Finishes Plans (Re-submittal.)
3. Tunnel Security Plan (re-submittal)

Other documents submitted:

1. Offsite Overhead Sign Structures: Drilled Shaft Certificate- Sign Structure 1A, 16, 17, 18, 19, 20, 25 and 45
2. BCWF Spill Prevention, Control & Countermeasures Plan- Tier I Qualified Facility (Self-Certification)
3. POMT Concepts of Operations Reports (Re-submittal.)
4. Offsite Overhead Sign Structures Drilled Shaft Certificates for Structures 7-RT (Outside), 7 LT (Median) and 18 LT.

A total of 1,545 design submissions have been received and reviewed to date.

## Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

### **Meetings:**

1. On 01/14 a meeting was held with AT&T representatives to discuss the requirement for the installation of the ring-down telephone lines connecting the tunnel operations with the emergency response agencies.
2. A meeting to review the design of the tunnel's architectural panels was held on 01/16.
3. The monthly EOR meetings were held on 01/22 and 2/19
4. The Bi-Monthly Project Status meeting was held at the Department offices on 01/31.
5. Project Completion meetings to go over status were held on 01/31 and 2/28.
6. Other routine meetings held with the Concessionaire: Weekly Construction Coordination Meetings, O&M Meetings (Biweekly), Weekly Coordination Meetings with Port Miami, and the MEP Installation Coordination Meetings (Biweekly), Bi-Monthly Meeting and Monthly Schedule review meeting.
7. On 02/03 a meeting was held to review changes proposed to the lighting of cross passages.
8. A comment resolution meeting for shop drawings was held on 02/11
9. A comment resolution meeting for the O&M Manual was held on 02/20 with TSI representatives.

### **CONSTRUCTION PROGRESS FOR JANUARY & FEBRUARY 2014**

*The following construction activities took place during the months of January & February 2014:*

#### ***Watson Island Buildings:***

1. In progress installation of Mechanical, Electrical & Piping (MEP) for the Operation and Utility Buildings.
2. Mechanical/electrical installation of generator.
3. Commissioning of switchgear/transformer in equipment building continues.
4. BCWF continues installation and testing of MEP systems for Watson Island buildings.
5. Installation of generator exhaust completed and passed inspection, connections to diesel tank in progress.
6. Interior/exterior finishing near completion.

#### ***Watson Island:***

1. Continued the demolition of site establishment area beneath the MacArthur Bridge.
2. Began construction of the center barrier wall MacArthur Causeway from the bridge east towards the portal.

#### ***MacArthur Bridge***

1. Began installation of Stay-In-Place deck forms for piers 16, 17, 18 and EB 19 (interior).
2. Class V finish on traffic railing from EB 1 to Pier 15 and touch up on Piers.
3. Completed concrete placement for the eastbound interior deck.
4. Continued to tie steel and place Stay-In-Place forms for the westbound interior bridge deck widening.

## Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

### ***Dodge Island Buildings***

1. BCWF continues installation of utilities and finishing work for the Operation and Utility Buildings.
2. Structural work continues in progress for Maintenance building.
3. MEP installation and testing continues for Dodge Buildings.
4. Roof metal decking and crane beam completed in Maintenance building.
5. Interior/exterior finishing near completion.

### ***Dodge Island***

1. PortMiami continues its railroad project for new intermodal yard adjacent to southern project limit. BCWF, FDOT, PB and PortMiami coordinating on a weekly basis.
2. Installed fence around Port of Miami Maintenance building.

### ***Off Site Signage***

1. BCWF and Signal Technologies continued the installation of the offsite signs on I-95, SR 836 and I-395. STI installed structures at sign No.'s 1A, 14, 16, 26, 27 AND 45. Removed sign No. 15 and continued foundation work at sign No.'s 7, 17, 18 and 19.

### ***Portals, Tunnels & Cross Passages***

1. Walkway, utilities and fire panel installations are ongoing in eastbound and westbound tunnels.
2. Installation of MEP for EB Flood Gate continues in progress.
3. Layout and installation of MEP systems continue in progress in both tunnels.
4. Light fixtures installation in tunnels is near completion.
5. Installation of fan brackets and jet fans are in progress in eastbound tunnel from the low point to Watson portal and installation in WB tunnel completed.
6. Concrete roadway has been constructed in the eastbound tunnel from cross passage 3 to the Dodge Island Portal.
7. U-wall structures were completed on Watson and Dodge islands.
8. Installation of architectural panel brackets in westbound tunnel and architectural panels in eastbound tunnel are in progress.
9. Cut & Cover structures on Watson and Dodge islands were completed including flood gate building construction and flood gate railing guide.
10. Cross Passages construction, installation of SCADA cabinets HVAC and prepping doorways for MEP and door installation at tunnel interface.
11. Installation and testing of MEP systems continue in progress in both tunnels.
12. RIOE cabinet, telephone and fire suppression cabinet installations in tunnel, both bores.
13. Installation of fan brackets and jet fans were completed.

### **ANTICIPATED CONSTRUCTION PROGRESS FOR MARCH 2014**

*BCWF has scheduled the following major construction activities for the month of March 2014:*

### ***Watson Island Buildings***

1. Continue installation of utilities for Watson Island buildings.
2. Continue MEP testing and commissioning.

## Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

3. Complete the sidewalks and ramps.

### ***Watson Island***

1. Complete demolition of site establishment area.
2. Complete median barrier wall on MacArthur Causeway from bridge to portal.

### ***MacArthur Bridge***

1. Place interior westbound deck slab.
2. Grinding and Grooving of pavement from WB 1 to Pier 16 (interior).
3. Begin traffic rail installation on both eastbound and westbound bridges.

### ***Dodge Island Buildings***

1. Continue installation of utilities for Operation and Utility buildings.
2. Complete installation of generator exhaust and diesel tank connections.
3. Continue testing and commissioning of equipment.
4. Complete installation of sidewalks and ramps.

### ***Dodge Island***

1. Continue construction of Maintenance Roads under the Cargo Bridge and Portal Approaches.
2. Begin Traffic Signal installations on South Cruise Blvd. at Atlantic Way and Europe Way.

### ***Off Site Signage***

1. Complete installation of offsite signs on I-95, SR 836 and I-395.

### ***Portals, Tunnels, Cross Passages***

1. Walkways, MEP utilities and fire panel installations in eastbound and westbound tunnels.
2. Completion of pump stations at Watson and Dodge portals.
3. Continue with eastbound and westbound flood gate enclosure.
4. MEP installations for Cross Passages.
5. Flood gates and guides, jet fan supports and jet fan assembly completed in both tunnels. LUS supports completion and testing.
6. Construction of edge drains at WB and EB tunnels
7. Concrete roadway for westbound tunnel from low point to Watson Portals.

### **EEO/DBE/OJT**

#### ***EEO***

Compliance Meetings held the first and third Wednesday of every month. Labor Interviews conducted as required. An audit was conducted on 1/23/14 by FHWA representatives. FHWA requested additional documentation to District 6 and PB Office, related to audit conducted on January 2014.

#### ***DBE***

Commercially Useful Function (CUF) DBE Monitoring Report interviews conducted as required. Copies of invoices and cancelled checks for DBE payments provided to PB. BCWF must finish entering DBE payments into the EOC System. A deadline will be provided.

## Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

### ***CERTIFIED PAYROLLS***

During the month of January, 307 Certified Payrolls were reviewed and 36 payroll violations issued. No violations resolved by MAT within the month. This statistics is based on current payrolls and does not include the back log revision.

During the month of February 115 Certified Payrolls were reviewed and 196 payroll violations issued. A total of 65 violations were resolved by MAT within the month. This statistics is based on current payrolls and does not include the back log revision.

### ***OJT***

As of the end of January 2014, the project has 66 graduated trainees from the FDOT's Training Program (90% of project goal). Currently there are two trainees on site. Three additional trainees have demonstrated proficiency and are awaiting graduation.

As of the end of February 2014, the project has 64 graduated trainees from the FDOT's On the Job Training Program (87% of project goal). Currently there are four active trainees on site.

### **PUBLIC INFORMATION/COMMUNITY AWARENESS DURING JANUARY & FEBRUARY**

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.

The Disadvantaged Business Enterprise (DBE) Goal for this project is 8.1%, or \$26,406,000.00 of the contract value. Bouygues Civil Works Florida (BCWF) remains committed to not only achieve but also exceed the Contract Goal. To date, BCWF has let a total of \$33,638,716 in contracts, and has exceeded the Project's Goal attainment for DBE participation by \$7,232,716.45 in contract values. Total payments made to DBE subcontractors on the POMT Project totals \$27,498,512.23 (or 104.137% of the DBE Goal).

To date, BCWF has contracted with a total of 831 companies to do work on the PortMiami Tunnel. Of these 831 companies, 56% are Miami-Dade County businesses.

As of January 31, 2014, the project had 408 BCWF employees, of which 86 were office staff, and 322 were field employees. Additionally, based on Certified Payroll Records, the average number of Davis Bacon-Related individuals (laborers, mechanics and craft workers) from BCWF's subcontractors currently active on the project this period was 386, bringing the total number of people at work at the PortMiami Tunnel Project in January 2014 to 794.

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](http://www.build305.com) continues to be updated to list positions currently available.

The Concessionaire hosted Channel 41, in partnership with PortMiami for a media visit on January 6.

FDOT and BCWF attended the Miami Beach Transportation Committee Meeting on January 6.

## Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

The Concessionaire hosted NBC 6's Hank Tester for a media visit on January 8.

The Concessionaire and FDOT attended and presented at the Miami-Dade County CTAC meeting on January 8.

The Concessionaire will present an update at the City of Miami MESA Board meeting on January 13.

The Concessionaire hosted a media tour with Glenna Milberg from Channel 10 on January 16.

The Concessionaire sponsored and attended the MLK 5,000 Role Models Breakfast w/ Congresswoman Frederica Wilson on January 20.

The Concessionaire hosted State Representatives Workman and Tobias on January 21.

FDOT and BCWF attended and presented project update at TeamFI in Orlando on January 23.

FDOT conducted site tour and presentation to NYU Construction School on January 24.

The Concessionaire hosted a media tour with Curbed Miami.com on January 24.

The Concessionaire hosted Archbishop Wenski on January 27.

The Concessionaire/FDOT team attended the Miami Beach Transportation Committee meeting on February 3.

FDOT hosted a site tour with FDOT Central Office on February 6.

FDOT contacted media interview with Wired Magazine on February 7.

The Concessionaire hosted a media tour with Univision, in partnership with PortMiami, on February 7.

The Concessionaire hosted a site tour with Judge Joe Farina on February 10.

The Concessionaire presented an update at the Tuesday Morning Breakfast Club on February 11.

FDOT presented a project update to the Matheson Hammock Yacht Club on February 11.

FDOT presented a project update to FDOT D6 North Dade Maintenance Group on February 12.

The Concessionaire and Contractor sponsored the State of the Ports on February 12.

The Concessionaire hosted a site tour with Miami Beach Mayor Philip Levine on February 17.

The Concessionaire hosted a site tour with Miami-Dade County School Board Member Dr. Bendross-Mindingal on February 18.

The Concessionaire hosted a site tour with Miami-Dade County Commissioner Sally Heyman and executive members of NACO (National Association of Counties).

## Port of Miami Tunnel – January & February 2014 Combined Bi-Monthly Progress Report

The Concessionaire presented an update to the Propeller's Club on February 27.

The Concessionaire hosted an event for Engineering Week with Miami-Dade County Public Schools ACE Program, in partnership with PortMiami, on February 27.

The Concessionaire sponsored Legacy's Black History Month Reception on February 27 and participated in the publication's Black History Month Magazine.

### **PROJECTED COMMUNITY OUTREACH / RECRUITMENT EFFORTS ANTICIPATED FOR MARCH:**

The Concessionaire/Contractor will sponsor the Miami Children's Museum Annual Gala on March 1.

The Concessionaire/FDOT team will attend the Miami Beach Transportation Committee meeting on March 3.

The Contractor will present a project update to the D4/D6 Combined Traffic Incident Management Group on March 5.

The Concessionaire will present an update to the Mayor's Executive Internship Program, in partnership with Port Miami, on March 5.

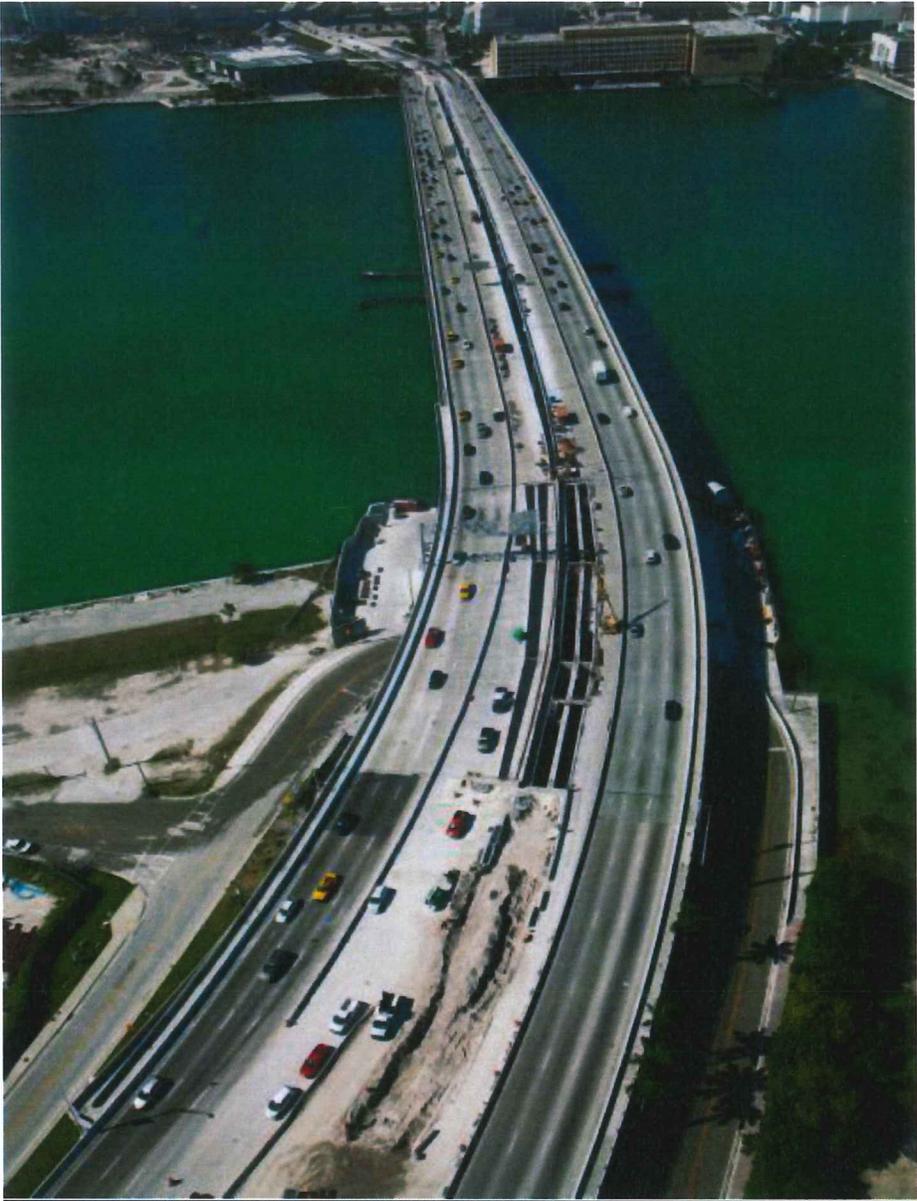
FDOT and the Contractor will present a project update on Community Outreach to the Tampa Bay Applications Group – D7 on March 6.

FDOT will conduct a site tour and presentation for the attendees of the ITE Spring Conference on March 10.

The Concessionaire will host Coral Gables Chamber of Commerce's President Mark Tow Bridge on March 13.

The Concessionaire will sponsor the Miami-Dade Chamber's Annual Awards Luncheon on March 14.

The Concessionaire will sponsor the AFL-CIO Annual Solidarity Dinner on March 15.



**Photo 1. MacArthur Bridge Westward View  
Phase I Interior Beams & EB Widening (January 2014)**



**Photo 2. Watson Island Portals (January 2014)**



**Photo 3. Dodge Island Portals (January 2014)**



**Photo 4. Dodge Island Operations (January 2014)**



**Photo 5. Cross Passage Mechanical-Electrical Installation (January 2014)**



**Photo 6. East Tunnel Construction (January 2014)**



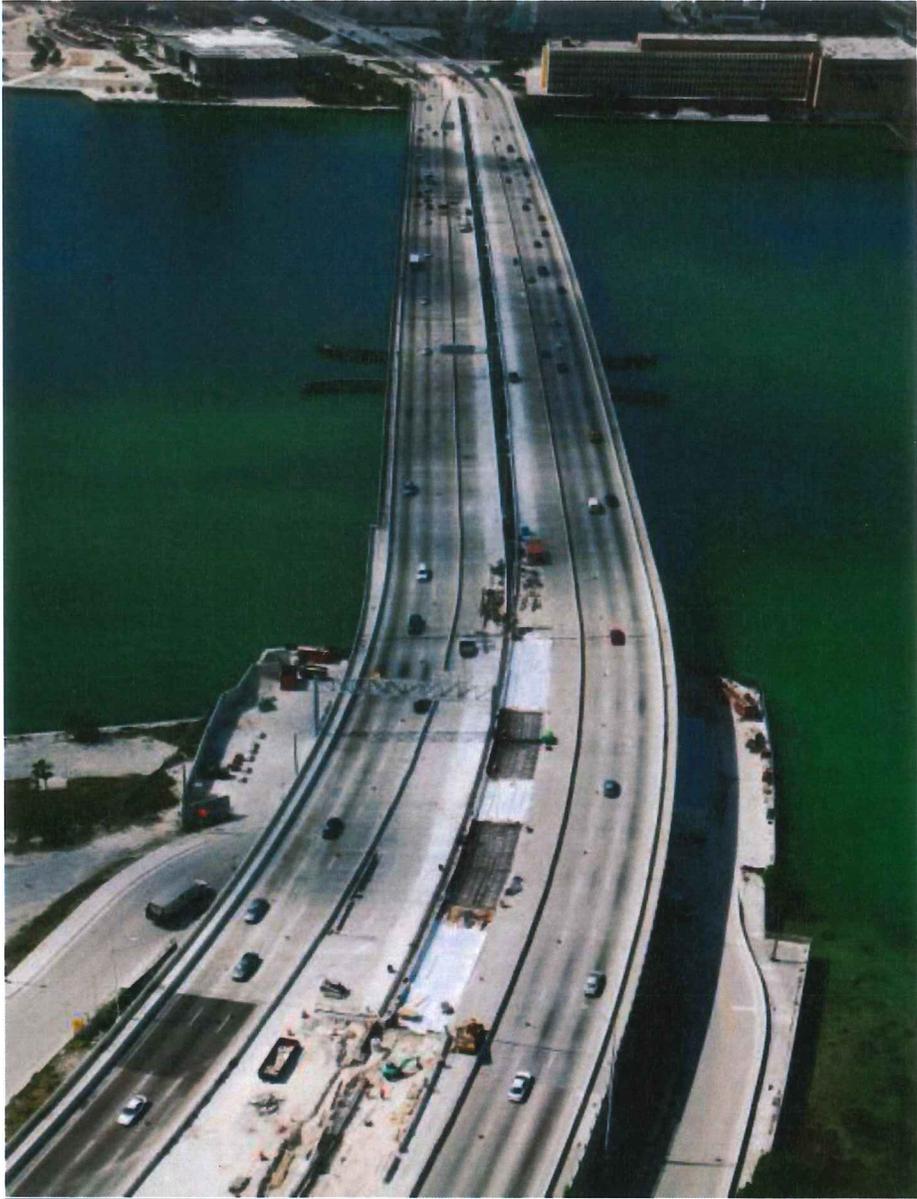
**Photo 7. West Tunnel Construction (January 2014)**



**Photo 9. Watson Island Buildings Construction (January 2014)**



**Photo 10. Dodge Island Buildings Construction (January 2014)**



**Photo 11. MacArthur Bridge Westward View  
Interior Beams & EB Widening (February 2014)**



**Photo 12. Watson Island Portals (February 2014)**



**Photo 13. Dodge Island Portals (February 2014)**



**Photo 14. Dodge Island Operations (February 2014)**



**Photo 15. East Tunnel Construction (February 2014)**



**Photo 16. West Tunnel Construction (February 2014)**



**Photo 17. Watson Island Buildings Construction (February 2014)**



**Photo 18. Dodge Island Buildings Construction (February 2014)**