Memorandum

MIAMI-DADE COUNTY

Date: April 18, 2013

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

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

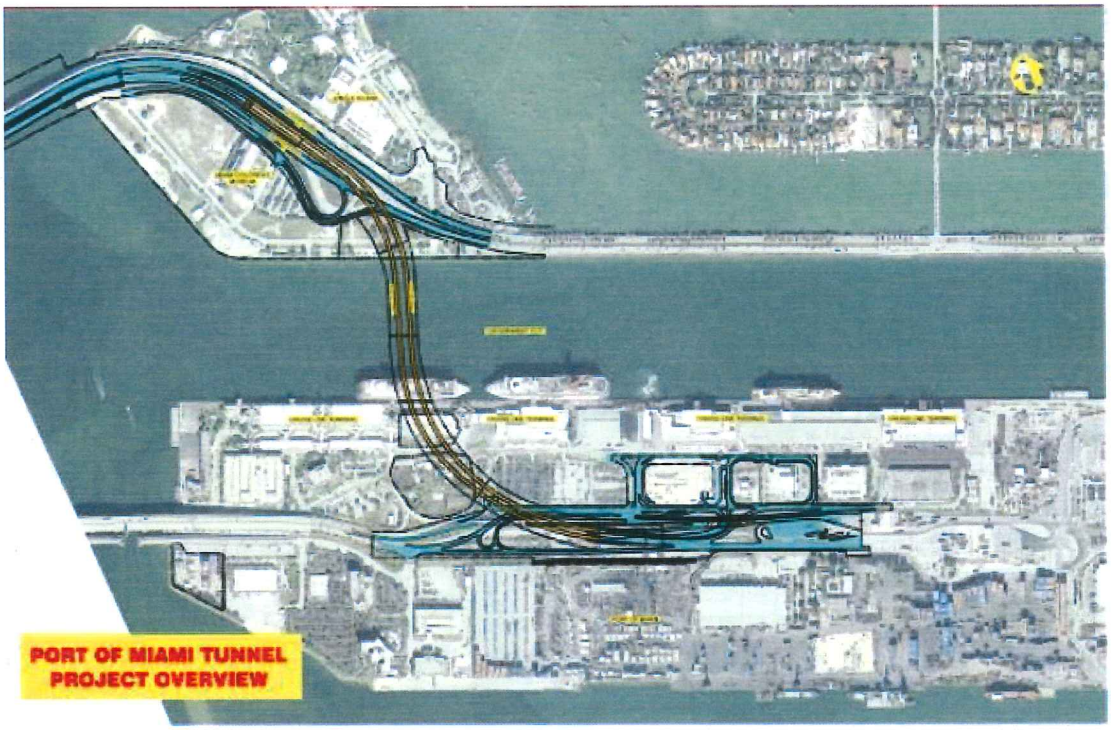
I will continue to provide the Board with updates as they become available from the FDOT. Please call me directly should you have any questions.

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

Port of Miami Tunnel Project

Combined Monthly Progress Report – January & February-2013

Design Review and
Construction, Engineering and Inspection Services



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:**	69.8 % 1233 OF 1765
Owner's Engineer (Design)	PB Americas, Inc.	**Construction Cost:**	$663 Million
Owner's CEI Representative	PB Americas, Inc.	**Milestone Payment # 1 – design for tunnel**	$20 Million (PAID)
Concessionaire	MAT Concessionaire, LLC	**Milestone Payment # 2 – TBM at work in 1st bore**	$40 Million (PAID)
Design/Build Contractor	Bouygues Civil Works Florida (BCWF)	**Milestone Payment # 3 – TBM at work in 2nd bore**	$25 Million (PAID)
Engineer of Record	Jacobs Civil	**Milestone Payment # 4 – Substantial completion of MAC**	$15 Million
Maintenance and Operator	Transfield Service Industries	**Milestone Payment #5– Final Acceptance**	$350 Million
Concession Agreement	35 Years	**Construction Substantial Completion**	May 19, 2014
Contractual Design and Construction Duration	55 Months	**Construction Final Acceptance Completion**	Aug 18, 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	06/28/12	Alternative Alignment - Single Portal Realignment on Dodge Island **(Credit)**	**($2,500,000.00)**	Executed
4	01/30/13	Global Settlement	**$59,000,000.00**	Executed

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
3. **Milestone No. 3: Tunnel Boring Machine at Work in Second Bore ($25 Million)**
   a. Achieved on 11/2/2012

SCHEDULE

Bouygues Civil Works Florida, Inc. (BCWF) has submitted the January 21, 2013 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 that the delay is resulting from the impact of Tropical Storm Isaac.

DESIGN PROGRESS FOR JANUARY & FEBRUARY 2013

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

Watson Island

FDOT reviewed and provided comments for the following design packages:

1. Signing and Pavement Marking Plans Revision 2 to RFC plans (FSB)
2. Lighting Plans (FSB)
3. MacArthur Causeway Lighting Design Analysis Report – Revision 1
4. Utility Equipment Building Plans & Calculation Notes (FSB)
5. Operation Building Plans and Calculation Notes (FSB)
6. Landscape Plans (90%)
7. O&M Building Specifications (FSB)

Documents submitted this month that are currently under review:

1. Watson Island Roadways: MacArthur Causeway Plans Rev. 09 and the Drainage: Pond Details Calculation Notes (FSB)
2. MacArthur Causeway: Auxiliary Lane Width Design Variation
3. Watson Island: U-Wall Plans (FSB)
4. Watson Island: Cut & Cover Plans (FSB)
5. Watson Island Roadways: Signing & Pavement Marking Plans- Off Site Signs & Structure (90%)

Dodge Island

FDOT reviewed and provided comments for the following design packages:

1. Sign Structures – Drill Shaft Installation Plan (FSB)
2. O&M Building Plans, Calculations and Specs (FSB)
3. Landscape Plans (90%)
4. Signing and Pavement Plans – Revision Nos. 2 & 3
5. Utility Equipment Building Plans and Calculation Notes

Documents submitted this month that are currently under review:

1. Dodge Island: Signalization Plans and Calculations (FSB)
2. Dodge Island Roadways: Package 3 Plans (FSB)
3. Dodge Island: U-Wall Plans (FSB)
4. Dodge Island: Cut & Cover Plans
5. Dodge Island Portal Structures: (U-Wall and Cut & Cover) Mass Concrete Plan

Tunnel Design

FDOT reviewed and provided comments for the following design packages:

1. Architectural Cross Passages Plans and Calculations (90%)
2. Tunnel Fire Protection Installation Method Statement

Documents submitted this month that are currently under review are:

1. TBM Cutterhead Work Report: Tool Changes – December 5, 2012
2. Tunnel Roadway Plans – Revision 1 (FSB)
3. Tunnel Signage Design 90% Plans
4. Bored Tunnel: Low Point Pump Station (LPPS) FSB Plans and Calculations (FSB)
5. East Bound Tunnel Cross Passages: CP1 Realization
6. CP 2 & 3: Ground Freezing- Installation of Freezing Pipes Inspection & Test Plan and Method Statement
7. Tunnel Fire Protection Coating Method Statement

Other documents submitted and reviewed:

1. Overhead Offsite Sign Structures Design
2. Multipost Sign Structures Design
3. TSCS-ITS: Systems Engineering Management Plan
4. TBM Cutter-head Work Report: Tool Changes
5. Construction Quality Plan
6. General Completion Plan
7. Geotechnical Instrumentation: Weekly Report Nos. 85, 86, 87, 88, 89, 90, 91, 92 and 93
8. Geotechnical Instrumentation Monitoring - Monthly Report No. 13 & 14
9. Detailed Working Schedule: Monthly Status Report December 20, 2012 and January 20, 2013

Other

10. The monthly meeting with the EOR was held on 01/10/13 and 02/07/13
11. Meeting with FDOT's Landscape Architect on 02/06/13
12. Comment resolution meeting on Dodge Island Lighting was held on 1/09/13, 1/17/13 and 02/18/13
13. Meeting to coordinate response to Relief Event No. 20 was held on 2/21/13
14. Meeting to review status of Field Change and Non-Conformance Requests was held on 2/27/13

CONSTRUCTION PROGRESS FOR JANUARY & FEBRUARY 2013

The following construction activities took place in the months of January & February 2013:

Watson Island

1. The completed investigation and subsequent test results were submitted to the Department for review. The completed design response of the Pond WA drainage issues and the contractor has begun preparatory work at the site.
2. BCWF continues installation of utilities for Watson Island buildings.
3. Beauchamp Construction has installed the building foundations and has begun erecting the walls.
4. BCWF placed structural asphalt for the roadway widening for eastbound MacArthur Causeway at the east end of MacArthur Bridge.

MacArthur Bridge

1. Completed pouring interior bridge deck widening from span 8 through span 12.
2. Continued installation of Stay-In-Place (SIP) forms for exterior bridge deck widening from pier15 to end bent 19.
3. Began placing concrete bridge rail for the interior bridge widening from span 4 through span 12.
4. Began pouring exterior bridge diaphragms from pier 16 through end bent 19.
5. Completed installation of pier 16 foundation.

Dodge Island

1. Contractor placed structural asphalt for eastbound South Cruise Blvd., westbound Maintenance Rd., and the southbound Europe Way ramps under new Truck Bridge.
2. Installed drilled shaft for ITS sign # 2 and DMS sign #15 (north).
3. Continue installation MSE walls for new truck bridge at Bents 1 and 3.
4. Continued installation of utilities for Dodge Island building
5. Beauchamp Construction began construction of the foundations for Dodge Island buildings.
6. Completed phase 2 WASD water main installation, pending Dept. of Health clearance.

Portals, Tunnels & Cross Passages

1. Westbound tunnel mining completed 2408 LF (58%) by 28 February.
2. Ballast placement in eastbound and westbound tunnel.
3. Walkway, utilities and fire panel installations in EB Tunnel.
4. Concrete for U-wall structures on Watson and Dodge Island.
5. Cross Passages construction.
6. Buildings Construction on Dodge and Watson Island.

Precast Yard

1. Concrete segment manufacturing continued, casting approximately 12,010 concrete segments (about 1501 rings) through February 28, 2013.

ANTICIPATED CONSTRUCTION PROGRESS FOR MARCH 2013

For the month of March 2013, BCWF has scheduled the following major construction activities:

Watson Island

1. Continue installation of utilities for Watson Island buildings.
2. Continue Watson Island building construction.
3. Begin drainage installation on eastbound MacArthur Cswy in the vicinity of the bus stop near the Children's Museum and in the westbound median at the eastern project limit.

MacArthur Bridge

1. Continue exterior deck widening preparation, pier 16 to end bent 19.
2. Continue construction of interior pier 16 column

Dodge Island

1. Complete construction of roadway widening and driveway at the Port*Miami* maintenance building on North Cruise Blvd.
2. Complete installation of MSE wall for old westbound Port Boulevard Bridge (Cargo Bridge).
3. Complete installation of MSE wall for new westbound Port Boulevard Bridge (Truck Bridge).
4. Beauchamp Construction to continue Dodge Island building construction activities.

Portals, Tunnels, Cross Passages

1. TBM mining on Westbound Tunnel.
2. Ballast in EB and WB Tunnels.
3. Walkways, utilities and fire panel installations in EB Tunnel.
4. U-Wall structure at Watson and Dodge Island Portals.
5. Cross Passages construction.
6. Buildings construction on Dodge and Watson Island.

Portals, Tunnels, Cross Passages

7. TBM mining on Westbound Tunnel.
8. Ballast in EB and WB Tunnels.
9. Walkways, utilities and fire panel installations in EB Tunnel.
10. U-Wall structure at Watson and Dodge Island Portals.
11. Cross Passages construction.
12. Buildings construction on Dodge and Watson Island.

Precast Yard

1. Complete casting of final concrete segments during first week of March.
2. Fire Panel Painting

EEO/DBE/OJT

EEO

A meeting was held on January 17, 2013 with Department of Labor (DOL), BCWF and their attorneys in order to discuss the correct wages for the electrical contractors. It was determined by DOL that the applicable wage rate for this contract is the higher (for contracts over 2 million) BCWF is currently contesting this determination.

Compliance office continues issuing Payroll Violations. Most of them have not been resolved yet.

Approximately 300 Payroll Violations were issued during February, most of them to Nicholson. These violations are still open; we have not received a response yet.

Compliance meetings with BCWF are now held the first and third Wednesday every month.

On February 19th an audit of our project was conducted by the State Contract Compliance Administrator and a representative from the FHWA. We are waiting for the results.

DBE

As per Department instructions, BCWF was advised to contact the DBE Office directly in order to resolve all issues they may have with the EOC System.

OJT

As of January 31st, 2013, Forty-one Trainees (56 % of project goal) have graduated from FDOT's Training Program. As of February 28, 2013, Forty-two Trainees (57 % of project goal) have graduated from FDOT's Training Program. There are 8 Active Trainees currently on the project.
An additional four OJT trainees have successfully performed proficiency exams and are awaiting graduation from 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, there have been 365 Vendors representing $325,925,600.78 that are from Miami-Dade County and have or are currently doing business on the project.

As a result of the Department of Transportation's mandate, an 8.1% goal was required of POMT to utilize Disadvantaged Business Enterprises that equated to $26,406,000. This goal was based on the non-tunnel related work. However, MAT and BCWF were sincere and dedicated and therefore went beyond the goal and to date they have achieved 8.4% or $31,286,585.17 in contracts to DBE's.

As a result of the collaborative efforts of all of the partners and the community residents, POMT has generated jobs that accounted for 6,959 direct and indirect hires. 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 and vendors retained by BCWF.

Our recruitment and team building continues each month. As of February 28th, BCWF peaked at a total of 494 direct hires. Additionally, based on Certified Payroll Records, the number of Davis Bacon-Related individuals (laborers, mechanics and craft workers) from BCWF's subcontractors most recently active on the project is at 60, bringing the total number of persons currently working at the Port of Miami Tunnel Project to 550.

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

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.

The Concessionaire/Contractor/FDOT has been conducting site tours with various elected/appointed officials, media and general engineering professionals, Miami-Dade County CTAC (1/9/13); Greater Miami Chamber Leaders (2/12/13);

The Concessionaire was inducted as an honorary member to the 5,000 Role Models of Excellence Non-Profit Organization during the annual MLK Breakfast (1/18/13).

The Concessionaire/Contractor presented at the Miami-Dade County TARC meeting (2/6/13);

The Concessionaire Sponsored and/or participated at the State of the Ports (2/14/13); Booker T. Washington's Career Day (2/15/13), U.S. Chamber of Commerce "Let's Rebuild America" Seminar (2/19/13), NAWIC (National Association of Women in Construction) monthly luncheon (2/25/13).

PROJECTED COMMUNITY OUTREACH / RECRUITMENT EFFORTS:

The Concessionaire is scheduled to attend the Miami Beach Transportation Committee Meeting on March 4.

The Concessionaire is scheduled to conduct the following tours: IBEW Leadership on March 6; Miami DDA Board on March 12; Bill Talbert of the Greater Miami Beaches and the Visitors' Bureau on March 26; Federal Highway Administration Leadership on March 26; and Miami-Dade County's Emergency Management Office on March 28.
The Concessionaire will be sponsoring the World Trade Center's International Women's Day luncheon on March 8.

The Concessionaire will be participating and providing a tour during the Beacon Council Business Expo and will also attend the Beacon Council's annual awards luncheon on March 14.

The Concessionaire will be sponsoring the Miami-Dade Chamber's Annual Business Leaders Luncheon on March 22.

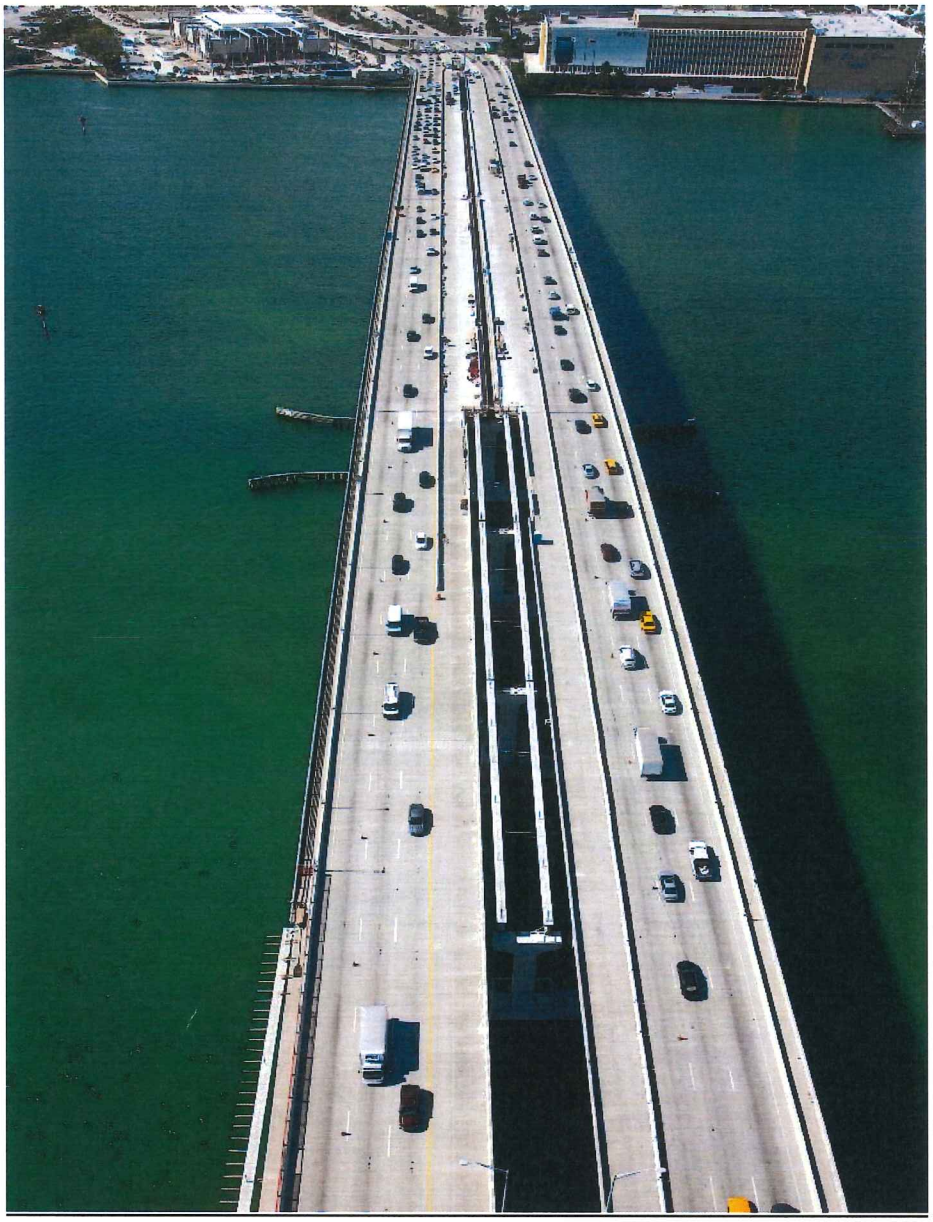


Photo 1. MacArthur Bridge Westward View
Phase I Interior Beams

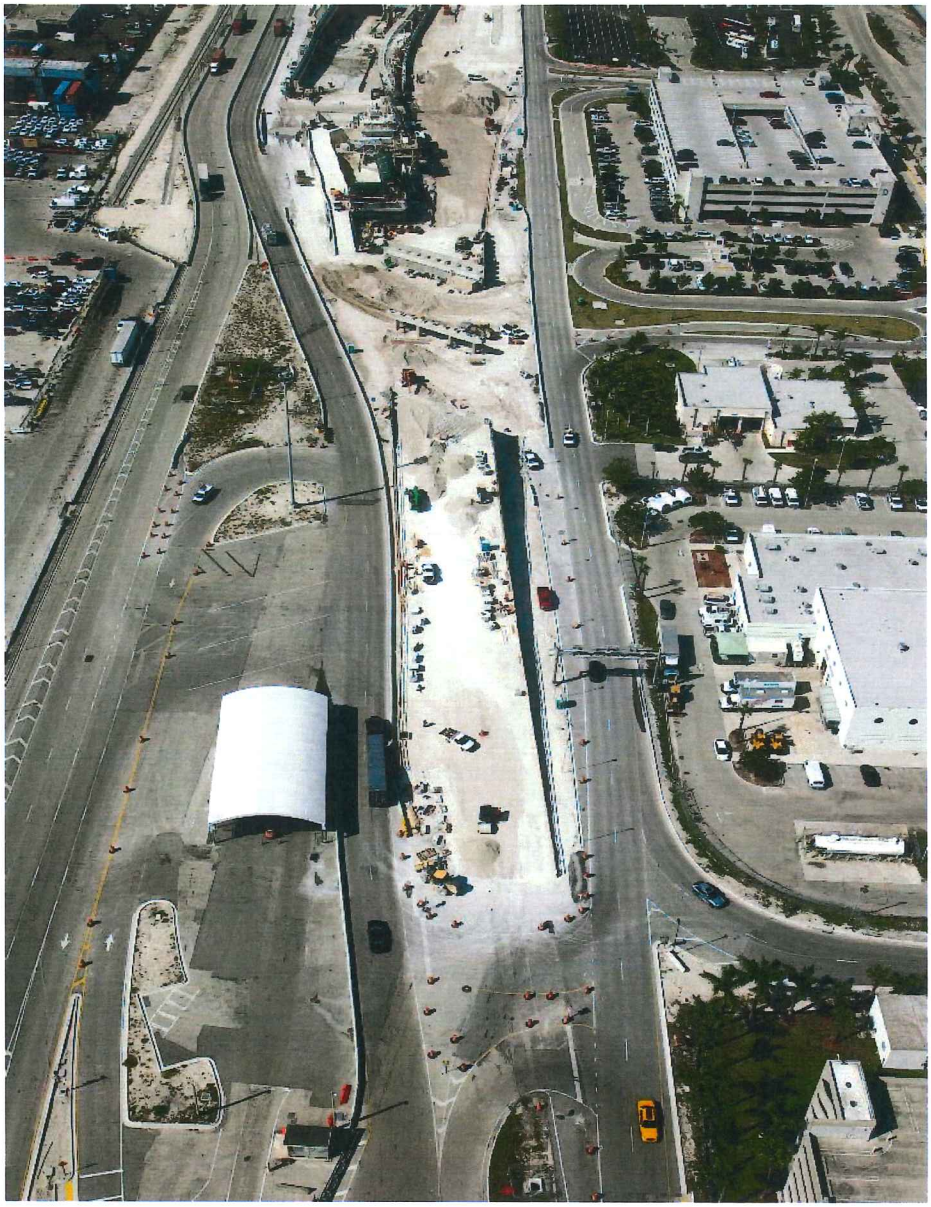


Photo 2. Dodge Island Operations

Photo 3. Tunnel Portals, Spoils Pit and Truck Bridge in Dodge Island