NEWS ON THE ROAD

A&P CONSULTING TRANSPORTATION ENGINEERS



NO.1, 2018 I DIGITAL JANUARY-APRIL

An A&P Engineers' publication. Also available as a hardcopy at **www.apcte.com.**

Direction: Juan Muniz Revision: Liz Celeiro & Mario Rojas Graphics: W.Castellanos/E.Toledo Photos: Willy Castellanos *et.al*.

A&P CONSULTING TRANSPORTATION ENGINEERS, CORP.

Over A&P Engineers'decorated history, we have been able to successfully complete projects that have varied in size and complexity for a wide variety of clients. Throughout all of this, we ensure that our clients and communities needs are met. Our approach and the reason for our success includes innovative techniques, qualified professionals, and a driven workplace atmosphere.

WATER SUPPLY INTERVENTION PLAN PROJECT

Medellín, Colombia

This is an extremely important project that will be completed for Empresas Públicas de Medellín EPM (Public Enterprises of Medellín), which entails several residential neighborhoods along the occidental part of the city of Medellín. A&P Engineers is honored to have been awarded the project as part of a joint venture with EAG Ingenieros, a Medellín-based company.

This project provides improvements to the existing water distribution system for the indicated neighborhoods, which, due to rapid expansion, have augmented in demand for water services. It serves to supplement the existing water distribution system to ensure that the current and future demands for water in the city and its growing residential areas are met. The project includes two new water storage tanks with a combined capacity of approximately 793,000 gallons, two

water pump stations with a pumping capacity of 2710 gpm and 2585 gpm, respectively, and approximately 4,000 ft. of water main.

Medellín is the second-largest city in Colombia and the capital of the department of Antioquia. It is located in the Aburrá Valley, a central region of the Andes Mountains in South America. According to the National Administrative Department of Statistics, the city has an estimated population of 2.5 million as of 2017. With its surrounding area that includes nine other cities, the metropolitan area of Medellín is the second-largest urban agglomeration in Colombia in terms of

NEWS ON THE ROAD

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■ Water Supply Intervention Plan Project (Cont.)



population and economy, with more than 3.7 million people.

The most recent survey on the global status of the Smart Cities by Indra Sistemas catalogs Medellín as one of the best cities to live in South America, sharing first place with Santiago de Chile, and alongside Barcelona and Lisbon in Europe. Medellín won the Lee Kuan Yew World City Prize 2016. The award seeks to recognize and celebrate efforts in furthering innovation in urban solutions and sustainable urban development.

From left to right
Antonio G. Acosta, P.E. (A&P
Engineers Principal), Arnelio
Alfonso, P.E. (Head of A&P Water
Resources Department) with
Enrique A. Garcia Moya (EAG
Ingenieros General Manager)
and Miguel E. Alfonso Fleitas (UT
Water Project Director)



HONOR AWARD: 2018 FICE ENGINEERING EXCELLENCE AWARDS



A&P was awarded an Honor Award from Florida Institute of Consulting Engineers (FICE) EEA competition for the Design-Build of a 54-inch Redundant Force Main Utilizing Horizontal Directional Drill (HDD). Thirty projects were submitted and six projects were selected for Grand Firm/Projects and five projects were selected as HONOR awards. The awards will be distributed at the 102nd Annual Conference FICE Banquet held August 3rd, 2018 at the JW Marriot Marco Island Beach Resort.

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■ Honor Award: 2018 FICE Engineering Excellence Awards (Cont.)

The FICE Public Relations Committee selected the distinguished panel of judges representing government, media, transportation, education, environmental/water resources, public works, geotechnical and electrical design. Assembled in Orlando mid-November were Shannon LaRocque, PE, Village of Wellington; Curtis Brown, Esq., Wright, Fulford, Moorhead, & Brown Attorneys; Jim Flynt, PE, Orange County Utilities; Terry Puckett, PE, Florida Department of Transportation District I and VII; Michael Moorhead, EI, 2016-17 FES Student Board Rep.; and Troy Attaway, PE, City of Winter Park.

The judges rated projects and studies on the basis of uniqueness and innovative applications; future value to the engineering profession; perception by the public; social, economic, and sustainable development considerations; complexity; and successful fulfillment of client/owners/needs, including schedule and budget. A special thank you to FICE Public Relations Chair Marcia Feldman of Kimley-Horn for facilitating this competition and to Curtis Brown and Wright, Fulford, Moorhead, & Brown for graciously hosting the judging at their Altamonte office.

IMPROVEMENTS TO THE DRESSEL CANAL, CITY OF DORAL, FLORIDA

On March 2, 2018, a ribbon-cutting ceremony was held to inaugurate the Canal Bank Stabilization Project. In this project, A&P Engineers was responsible for providing Construction Engineering and Inspection Services (CEI).

The scope of this project focused on improvements to the Dressel Canal along NW 41st Street from NW 87th Avenue to NW 79th Avenue as well as adjacent to NW 107th Avenue from NW 52nd Street to NW 57th Street. Aside from improvements to the canal, this project included constructing a pedestrian and bicycle shared use path, named Dressel's Dairy Trail, along NW 41st Street from NW 87 Avenue to NW 82 Avenue. This path will improve cyclists' safety, facilitate multimodal usage of the corridor, and ease congestion in the area.

City of Doral Mayor, Juan Carlos Bermudez, and Vice Mayor, Ana Maria Rodriguez, presided over the event and were accompanied by many other local leaders; Nelson Perez, P.E. (CEI Department Head), Juan Medina, P.E. (Project Manager), and Jorge Abela (Senior Inspector) were also in attendance as representatives of A&P Engineers.





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A&P ENGINEERS WILL SOON HAVE A NEW PLACE TO CALL HOME!

The construction work of the new headquarters building of A&P Engineers began, on August 21, 2017, and should be completed at the end 2018. Designed by the architect Gustavo J. Ramos, the new building will be 460 square foot gym, and a spacious double level lobby.

Client: A&P Transportation Engineers, Corp. Main Contractor: Karmil Construction, Inc.

Architect: Gustavo J. Ramos





located at 8935 NW 35th Lane, on a breathtaking lot just a few blocks away from the intersection of 36th Street and 87th Avenue in the city of Doral, Florida. At this time, the structure of the building is more than 60% complete. Measuring 2 stories high and a covering a total area of 30,250 square feet, the building will have 26,000 square feet of comfortable offices, which will house the different departments of A&P Engineers, as well as many other engineering companies. Other facilities will be comprised of a spacious parking lot with capacity for over 90 vehicles, a



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NEW CORPORATE IMAGE AND WEBSITE FOR A&P ENGINEERS



To ring in the New Year, APCTE adopted new graphics that will better represent the company and its objectives. These new graphics were created by the Marketing Department Team (William Castellanos and Ernesto Toledo) under the supervision of its director, Juan Muñiz.

Along with the updating of the logo, and changing of our corporate image, A&P Engineers launched a new website, that allows everyone to comfortably access and review company information. The updated website is now available for use on all media platforms: from the screen of a computer to a cellphone, and even an iPad.

FES OUTSTANDING ACHIEVEMENT AWARD FOR ARNELIO ALFONSO

The Florida Engineering Society (FES) Awards Committee, granted Mr. Arnelio Alfonso, P.E. (Head of A&P Engineers' Water Resources Department) the 2018 Award for Outstanding Technical Achievement for the 54-inch Redundant Force Main Project at Miami Beach. This award will be presented at the Miami Chapter's Annual banquet which will be held at Miami Marriott Biscayne Bay in the evening of February 24, 2018.





FIRST INTER-DEPARTMENTAL "FORREST GUMP" PING-PONG TOURNAMENT



A&P's Traffic Department wins the first Inter-Departmental "Forrest Gump" Ping-Pong Tournament. After a round of many games between several competitors within the company, the final faced Eryam Dasa (aka "The Ninja") against David Sigler (aka "Billy the Kid") from the Lighting and Electrical Department.

The winner of this 2018 First-Quarter Tournament was "The-Ninja-faster-than-lighting" and the Traffic Department. Congratulations to both players for this excellent game, and to all competitors who showed up at the tournament!

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MERCEDES-BENZ CORPORATE RUN | April 2018



In the spirit of competition and a healthy lifestyle, A&P Engineers joined the 2018 Mercedes-Benz Corporate Run. A&P and our closest 28,000 friends celebrated the completion of the race with delicious food, refreshing drinks, and great comradely. We would like to thank all of our team members that were able to participate and look forward to another great event next year!





A&P ENGINEERS: TEXAS DEPARTMENT OF TRANSPORTATION

We are very excited to be near the completion of the certification process and beginning our endeavors in Texas. Although we are waiting for additional qualifications and the final review process to be completed, we have already obtained several qualifications and are eagerly ready to begin pursuing work in the Lone Star State.



Group 1: Transportation Systems Planning

1.2.1 Systems Planning1.3.1 Subarea / Corridor Pla

Subarea / Corridor Planning Land Planning / Engineering

1.5.1 Feasibility Studies

Group 4: Roadway Design

1.4.1

4.1.1 Minor Roadway Design

4.2.1 Major Roadway Design

4.3.1 Complex Highway Design

4.4.1 Major Freeway Interchange and Direct Connectors

Group 5: Bridge Design

5.1.1 Minor Bridge Design

5.2.1 Major Bridge Design

Group 7: Traffic Engineering and Operations Studies

7.1.1 Traffic Engineering Studies

7.3.1 Traffic Signal Timing

7.4.1 Traffic Control Systems Analysis, Design and Implementation

7.5.1 Intelligent Transportation Systems

Group 8: Traffic Operations Design

8.2.1 Illumination

8.4.1 ITS Control Systems Analysis, Design & Implementation

Group 10: Hydraulic Design and Analysis

10.4.1 Storm Water Pump Station-Hydraulic Design

10.4.2 Pump Station - Electrical

10.4.3 Pump Station - Structures

10.5.1 Bridge Scour Evaluations and Analysis

Group 11: Construction Management

11.1.1 Roadway Construction Management And Inspection

11.2.1 Bridge Construction Management and Inspection



A&P CONSULTING TRANSPORTATION ENGINEERS, CORP.

10305 N.W. 41st Street, Suite 115, Doral, Florida 33178

Office: (305) 592-7283 | Toll-Free Number: 1-877-342-8576 | Fax: (305) 593-1594

www.apcte.com | info@apcte.com

COMPANY PROFILE

A&P Engineers is a multi-disciplinary consultant located in South Florida. Our mission is to provide technical excellence in design and construction. Our areas of expertise include civil engineering, transportation, water resources, environmental, structural, lighting, electrical, traffic studies, construction management, and CEI. Over A&P's decorated history, we have been able to successfully complete projects that varied in size and complexity for a wide variety of clients. Throughout all of this, we ensure that our client's and community's needs are met. Our approach and the reason for our success includes innovative techniques, qualified professionals, and a driven workplace atmosphere

FDOT CERTIFICATIONS

Group 3: Highway	Design - Roadway
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- 3.1 Minor Highway Design
- 3.2 Major Highway Design
- 3.3 Controlled Access Highway Design

Group 4: Highway Design - Bridges

- 4.1.1 Miscellaneous Structures
- 4.1.2 Minor Bridge Design
- 4.2.2 Major Bridge Design Steel

Group 5: Bridge Inspection

5.4 - Bridge Load Rating

Group 6: Traffic Engineering and Operations Studies

- 6.1 Traffic Engineering Studies
- 6.2 Traffic Signal Timing
- 6.3.1 Intelligent Transportation Systems Analysis and Design
- 6.3.2 Intelligent Transportation Systems Implementation
- 6.3.3 Intelligent Transportation Traffic Engineering Systems

 Communications

Group 7: Traffic Operations Design

- 7.1 Signing, Pavement Marking and Channelization
- 7.2 Lighting
- 7.3 Signalization

Group 10: Construction Engineering Inspection

- 10.1 Roadway Construction Engineering Inspection
- 10.3 Construction Materials Inspection
- 10.4 Minor Bridge & Miscellaneous Structures CEI

Group 13: Planning

- 13.4 Systems Planning
- 13.5 Subarea/Corridor Planning

MIAMI-DADE COUNTY TECHNICAL CERTIFICATIONS

- 1.01 Transportation Planning Urban Area and Regional Transportation Planning
- 2.01 Mass Transit Systems Mass Transit Program (Systems) Management
- 2.02 Mass Transit Systems Mass Transit Feasibility & Technical Studies
- 2.04 Mass Transit Systems Mass Transit Controls, Communications & Inf. Systems
- 2.05 Mass Transit Systems General Quality Engineering
- 3.01 Highway Systems Site Development and Parking Lot Design
- 3.02 Highway Systems Major Highway Design
- 3.02a Highway Systems Tunnel Design
- 3.02b Highway Systems Minor Highway Design
- 3.03 Highway Systems Bridge Design
- 3.04 Highway Systems Traffic Engineering Studies
- 3.05 Highway Systems Traffic Counts
- 3.06 Highway Systems Traffic Calming
- 3.07 Highway Systems Traffic Signal Timing
- 3.08 Highway Systems Intelligent Transportation Systems Analysis/Design/Impl.
- 3.09 Highway Systems Signing, Pavement Marking, and Channelization
- 3.10 Highway Systems Lighting
- 3.11 Highway Systems Signalization
- 4.01 Aviation systems Engineering Design
- 5.01 Port and Waterway Systems Engineering Design
- 6.01 Water and Sanitary Sewer Systems Water Distribution and Sanitary Sewage Collection and Transmission Systems
- 6.01a Water & Sanitary Sewer Systems Utility Tunneling and Sanitary Sewage
- Collection and Transmission Systems

 6.02 Water and Sanitary Sewer Systems Water and Sanitary Sewage Pumping
- 6.03 Water and Sanitary Sewer Systems Water and Sanitary Sewage Treatment
- 8.00 Telecommunication Systems
- 10.01 Environmental Engineering Stormwater Drainage Design Engineering Services
- 11.00 General Structural Engineering
- 12.00 General Mechanical Engineering
- 13.00 General Electrical Engineering
- 16.00 General Civil Engineering

RELATED PROJECTS (See more at www.apcte.com)



N.W. 87th Av. Interchange



54-inch PCCP HDPE forcemain



South Dade Waste Water Treatment Plant



N.W. 25th Street-Viaduct West Phase