




Interoffice Memorandum

DATE: May 3, 2021
TO: Board of County Commissioners
FROM: Mayor Jerry L. Demings 
SUBJECT: **CONSENT AGENDA ITEM – May 11, 2021**
Managerial Appointment - Public Works Department

I am pleased to announce the appointment of Eduardo Avellaneda, M.S., P.E. as the new manager of the Roads and Drainage Division at Public Works. This Division provides for maintenance of our road system and includes resurfacing of residential streets, management of the bridge repair program, maintenance and repairs for all of our roads and associated drainage systems, right-of way mowing and sidewalk repair. Roads and Drainage is the largest division in Public Works with over 230 employees.

Mr. Avellaneda has over 36 years of civil engineering experience and has worked for both local government and private industry. From 1986 to 1997 Eduardo worked for Orange County in the Stormwater Management and Roads and Drainage Divisions, in which Mr. Avellaneda was the assistant manager for the Roads and Drainage Division from 1994 to 1997. For the past 23 years, Mr. Avellaneda was the CEO of Civil Engineering Group, Inc.

Mr. Avellaneda holds a bachelor's degree in Civil Engineering from the University of Central Florida (UCF) and holds a Professional Engineer License in Florida. Eduardo has a Master of Science in Water Resource Engineering from UCF. Eduardo also has professional affiliations with the American Society of Civil Engineers.

Mr. Avellaneda's appointment will be effective May 30, 2021, after Board approval with an annual salary of \$135,200. Eduardo's resume is attached for your reference.

ACTION REQUESTED: Confirmation of the Mayor's managerial appointment of Eduardo Avellaneda, M.S., P.E., Manager, Roads and Drainage Division, Public Works Department.

Attachment

cc: Byron W. Brooks, AICP, County Administrator
Chris Testerman, AICP, Deputy County Administrator
J. Ricardo Daye, Director, Human Resources Division

Eduardo Avellaneda, M.S., P.E.
(407) 832-2840
cegtcr00@gmail.com

YEARS OF EXPERIENCE 36+ Years

AREAS OF EXPERTISE

- **Civil, Environmental & Water Resources Engineering**
 - ✓ Watershed & Drainage Basin Studies
 - ✓ Hydrologic & Hydraulic Modeling
Sedimentation & Geomorphology
 - ✓ Floodplains Management Studies & Mapping
 - ✓ Flood Control Evaluation, Channel Design, & Protection Measures
 - ✓ Storm Water Evaluation, Design, & Permitting
 - ✓ BMP, Low Impact and Sustainable Design
- **Traffic & Transportation Engineering**
 - ✓ Pavement Management, Roadway Assessment, Safety Investigation & Recommendations
 - ✓ Pavement Inspections, Resurfacing
Traffic counts. Signalization
- **Site Investigation & Remedy Evaluation**
 - ✓ Sinkhole & Drainage Wells
 - ✓ Pavement Failures & Retrofits
 - ✓ Dams & Infrastructure Assessment
 - ✓ Bridges, Culverts & Control Structures
- **Construction & Contract Management**
 - ✓ Contract Preparation & Administration
Bid Preparation & Evaluation
 - ✓ Infrastructure Maintenance
Contracts Administration
 - ✓ Construction Inspection & Monitoring
- **Public Works Administration Expertise**
 - ✓ Strategic Planning, Organizing, Leading, & Guiding Teams, Budget Preparation and Operation Streamlining
 - ✓ Emergency Management and Preparedness
 - ✓ Litigation Support, Peer & Forensic Reviews
- **Land Development**
 - ✓ Commercial, Industrial, Institutional, Residential, Parks and Recreation, Corrections Facilities

SUMMARY OF EXPERIENCE

Former Assistant Division Manager and practicing Civil Engineer with a combination of more than 36 years of service working for local government, consulting engineering firms, contracting companies, and construction management teams. These services encompassed many facets of Civil Engineering practices inclusive of public works administration, public policy process, involvement with emergency planning, response and recovery, consulting engineering, construction management, and research. Formerly held positions ranging from Staff Engineer of Stormwater Management Division to Assistant Manager of the Roads and Drainage Division, Orange County Public Works, in Central Florida from April 1986 to February 1997, when I founded Civil Engineering Group, Inc. (CEG). CEG has provided professional services from watershed master planning to roadway design, and construction administration of commercial, industrial, and residential developments in Florida and outside the United States. During my tenure at the Roads & Drainage Division, I was in charge of the daily administration and management of more than 235 union and non-union employees and an annual Operating Budget of over 50 million dollars and a Capital Improvement Program of over 40 million *and* a Fleet of Heavy Equipment Assets Valuing more than 30 million.

The Division is responsible for managing the construction and maintenance operation of Orange County's infrastructure including 2,850 miles of roadways, more than 3,400 acres of right-of-way, 115 miles of landscape, 3,200 curb miles of roadway sweeping, 90 miles of secondary drainage systems, 106 bridges, 565 roadway crossings, sidewalks, community projects, emergency management response, and budget preparation.

For the last 23 years, as President of CEG, I have been responsible for multiple types of projects, inside and outside the United States. CEG performed several consulting engineering contracts with Orange County including Drainage Master Plans, Flood Remediation, Roadway Design, Infrastructure Retrofit, Parks and Recreation Design and Construction, Environmentally Sensitive Designs, and Corrections Site Evaluations and Retrofits. This experience makes me very knowledgeable of Orange County's Roadways and Drainage Systems, which I see vital to join the Roads & Drainage Division with a very brief learning curve. My experience in the private sector gives me a unique understanding of the challenges that local governments face from the inside, and from the development community perspective. This is vital to lead the Roads & Drainage Division into a position that provides support to elected officials while maintaining an image of responsibility, dignity, and efficiency to the Citizens of Orange County.

Eduardo Avellaneda, M.S., P.E.
(407) 832-2840
cegtcr00@gmail.com

EDUCATION

M.S., Water Resources Engineering,
University of Central Florida

B.S., Civil Engineering,
University of Central Florida

Decision Making & Problem Solving,
Florida Division of Emergency Management

Executive Management Training
Harvard University

Leadership and Influence Certificate
Florida Dept. of Community Affairs

EMPLOYMENT HISTORY

Civil Engineering Group, Inc.

1997-Present: **President**

Orange County Government, Florida

1994- 1997: **Assistant Manager**
Roads & Drainage Division

1992-1994: **Senior Engineer**
1990-1992: **Engineer III**
1988-1990: **Engineer II**
1986-1988: **Engineer I**
Stormwater Management Division

University of Central Florida
1985-1986: **Civil Engineer**

REGISTRATION

Professional Engineer – Florida
Advanced MOT Certification

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers (ASCE)

REFERENCES See below

RELEVANT PROJECTS

- Sandlake Palazzo, Mirage, and Royal Shoppes Site Work. Orange County, Florida.** Principal In Charge for the site construction and development of alternative solutions to value engineer an 11 acre site to support 180 residential units and 30,000 square feet of retail and office space in South Orange County..
- Sandlake Palazzo &, Mirage Multi-Family Residential Structures. Orange County, Florida.** Principal in Charge for the construction of three sixty unit, four story residential buildings in South Orange County.
- Casa Mirella Day Care Center, City of Ocoee, Florida.** Project Manager for permitting and construction activities associated with a 20,000 square foot Day Care Facility in the City of Ocoee, Florida.
- 33rd Street Corrections Facility Flood Avoidance Plan, Orange County, Florida.** Project Manager for the development of alternative solutions for a positive outfall for Lake Catherine with a recommendation to correct the flooding situation and deficiencies of the 33rd Street Correctional Facility's drainage system.
- Orange County Convention Center Expansion - Phase V, Orange County, Florida.** Project Manager for quality assurance and control of the stormwater management system design to ensure compliance with existing regulatory permit conditions. Also responsible for development of the overall site geometry plan to guide construction of the proposed improvements.
- Minnehaha Cove Neighborhood Redevelopment Project, Maitland, Florida.** Infrastructure inventory and master planning; drainage retrofitting of a 0.7-mile watershed; the planning, evaluation, and implementation of a neighborhood revitalization plan; retrofitting of existing utilities; and environmental analysis and permitting..
- Lake Pleasant Road Paving & Drainage Improvements, Orange County, Florida.** Paving of a dirt road and the stormwater management master planning of a 640-acre watershed in West Orange County to alleviate past flooding conditions.
- Nourimamba Nourishment Center, Mirebalais, Haiti.** Design and Construction of 30,000 sf training and production facility for earthquake recovery.

Eduardo Avellaneda, M.S., P.E.
(407) 832-2840
cegtcr00@gmail.com

1. Mr. Omar Garban, President
Best American Property Investment, LLC
2101 Orinoco Drive. Suite 116
Orlando, FL 32837-7849
Mobile: 407 230-8027
E-Mail: bapinvest@gmail.com

2. Mr. Kirk Leiffer, President Leiffer & Sons
Excavating, Inc. 201 Reece Way. Unit 1401
Casselberry, FL 32707
Mobile: 407 451-7897
E-Mail: kleiffer@earthlink.net

3. Mr. David Steudel, President
Pershing MEP Services
4223 S. Semoran Blvd. Unit 2
Orlando, Florida 32822
Mobile: 786-571-0334
E-Mail: davidenriquesteudel@gmail.com

4. Mr. Michael Nemec, President
Margherio Construction, Inc.
21509 King Henry Avenue
Leesburg, Florida 34748
Work: 352-552-8284
E-Mail: mjnemec454@yahoo.com

5. Mr. Angel Mendez, CEO
Master Technical Consultants, Inc.
1520 Perkins Road
Orlando, Florida 32809
Mobile: 407-463-9019
E-Mail: mtcinc21@gmail.com

6. Mr. Ed Miguens, CEO
GEO Engineering & Sciences, Inc.
250 S. Ronald Reagan Blvd. Suite 114
Longwood, Florida 32750
Mobile: 407 427-3491
E-Mail: emiguens@geoengineeringinc.com

References from the Public Sector are available upon request.