




ORANGE COUNTY MAYOR

**Jerry L. Demings**

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January 29, 2020

TO: Board of County Commissioners

FROM: Mayor Jerry L. Demings 

SUBJECT: Managerial Appointment  
**CONSENT AGENDA ITEM FEBRUARY 11, 2020**

In December 2019, the Development Engineering Division manager position became vacant when Diana Almodovar was appointed as Public Works Department Deputy Director. This position is responsible for oversight of the development-related site plan and construction plan review, permitting, platting, and Development Review Committee reviews, along with supervision and management of the Development Engineering Division.

I am pleased to announce the appointment of Pedro Medina, P.E. as the new manager of the Development Engineering Division. Mr. Medina began his career with Orange County as a staff engineer for the Highway Construction Division from 1992 to 1994. He returned to Orange County in 2008 as a senior engineer in the Development Engineering Division. He was promoted to chief engineer of that division in 2015. Since 2018, Mr. Medina has served as the assistant manager of the Development Engineering Division and as interim manager since June 2019.

Mr. Medina has over 39 years of experience in civil engineering, construction engineering design, and construction management with managerial related experience in residential/commercial land development, complex highway design, drainage design, and project management assignments in several states, including Florida and New Jersey, and the Commonwealth of Puerto Rico. Mr. Medina also has extensive experience in transportation planning and enhancement projects including drainage design, traffic control plans, signalization plans, lighting plans, signing and pavement marking plans, and the overall plan production and permitting process for numerous projects throughout Florida.

Mr. Medina holds a bachelor's degree in Engineering and holds Professional Engineering licenses in Florida and New Jersey. He is involved with many professional affiliations, including the Society of Hispanic Professional Engineers, American Society of Highway Engineers, American Society of Civil Engineers, and Florida Engineering Society.

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Mr. Medina's appointment will be effective the first full pay period after Board approval at an annual salary of \$130,582.40. His resume is attached for your review.

**ACTION REQUESTED: Confirmation of the Mayor's managerial appointment of Pedro Medina, P.E. as Manager, Development Engineering Division, Public Works Department.**

Attachment

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

**PEDRO L. MEDINA, P.E.**  
ORANGE COUNTY PUBLIC WORKS  
4200 S. JOHN YOUNG PARKWAY  
ORLANDO, FLORIDA 32839  
Pedro.Medina@ocfl.net

## **GENERAL EXPERIENCE**

I have over Thirty Nine (39) years of experience in the fields of Civil Engineering, Construction, Engineering Design, and Construction Management, with managerial related experience in residential/commercial land development, complex highway design, drainage design, and project management assignments in several states including Florida, New Jersey, and the Commonwealth of Puerto Rico. I also have extensive experience in transportation planning and enhancement projects including Drainage Design, Traffic Control Plan, Signalization Plan, Lighting Plan, Signing and Pavement Marking Plan and the overall Plan Production and Permitting Process for numerous projects throughout Florida. My experience includes the design and construction of many commercial, residential, institutional and recreational development projects throughout the United States and abroad.

## **EMPLOYMENT HIGHLIGHTS**

2018 – Present      Orange County Public Works – Development Engineering Division  
Division Assistant Manager

Assist the Division Manager with the day-to-day operations management.  
Serve as the County Engineer substitute voting member to DRC.

Supervise the preparation of Technical Review Group (TRG) projects review comments, and Development Review Committee (DRC) reports, review of Land Use Plans, Development Plans, Preliminary Subdivision Plans, Development of Regional Impacts reports, and subdivision determination appeals. Responsible of data input of the comments in “AMANDA”.

Responsible for Supervising staff engineers and technical staff, including preparation of employee performance reviews, delegation and oversight of work and training of staff members.

Meet with consulting engineers, contractors, citizens, and other governmental agencies to discuss County Code, policies, and other related questions. Prepare written response to questions, inquiries, and problems, as necessary.

Assist with the review of construction plans and engineering reports for subdivisions, commercial and industrial projects for compliance with Orange County Regulations.

Assist with the review of E-projects for compliance with Orange County Code & Regulations, as well as, the review of Environmental Site Assessment Reports for compliance with ASTM Standards and Orange County Subdivision Regulations.

Review of Septic Tank applications for Variance determination and compliance with Orange County OSB code.  
Perform review of (a) stormwater management systems associated with residential commercial and industrial development, (b) drainage studies to establish 100 year flood elevations and (c) master stormwater analyses.  
Participate in community meetings and public hearings, which includes making presentations to the community and decision-making groups.  
Respond to inquiries from citizens via e-mail, telephone or in person.

2015 – 2018 Orange County Public Works – Development Engineering Division  
Chief Engineer

Responsible for the preparation of Technical Review Group (TRG) and Development Review Committee (DRC) reports, review of Land Use Plans, Development Plans, Preliminary Subdivision Plans, Development of Regional Impacts reports, and subdivision determination appeals. Responsible of data input of the comments in “AMANDA”.

Responsible for Supervising staff engineers and technical staff, including preparation of employee performance reviews, delegation and oversight of work and training of staff members.

Meet with consulting engineers, contractors, citizens, and other governmental agencies to discuss County Code, policies, and other related questions. Prepare written response to questions, inquiries, and problems, as necessary.

Review construction plans and engineering reports for subdivisions, commercial and industrial projects for compliance with Orange County Regulations.

Review of E-projects for compliance with Orange County Code & Regulations.

Review Environmental Site Assessment Reports for compliance with ASTM Standards and Orange County Subdivision Regulations.

Review of Septic Tank applications for Variance determination and compliance with Orange County OSB code.

Perform review of (a) stormwater management systems associated with residential commercial and industrial development, (b) drainage studies to establish 100 year flood elevations and (c) master stormwater analyses.

Participate in community meetings and public hearings which includes making presentations to the community and decision-making groups.

Respond to inquiries from citizens via e-mail, telephone or in person.

2008 – 2015 Orange County Public Works – Development Engineering Division  
Senior Engineer

Responsible for the preparation of Technical Review Group (TRG) and Development Review Committee (DRC) reports, review of Land Use Plans, Development Plans, Preliminary Subdivision Plans, Development of Regional Impacts reports, and subdivision determination appeals. Responsible of data input of the comments in “AMANDA”

Responsible for Supervising staff engineers and technical staff, including preparation of employee performance reviews, delegation and oversight of work and training of staff members.

Meet with consulting engineers, contractors, citizens, and other governmental agencies to discuss County Code, policies, and other related questions. Prepare written response to questions, inquiries, and problems, as necessary.

Review construction plans and engineering reports for subdivisions, commercial and industrial projects for compliance with Orange County Regulations.

Review of E-projects for compliance with Orange County Code & Regulations.

Review Environmental Site Assessment Reports for compliance with ASTM Standards and Orange County Subdivision Regulations.

Participant (as needed) of the "One Stop Permitting", review of residential lot grading plans, assist citizens, contractors, and consulting engineers with permitting issues, County Codes, policies and other related issues.

Review of Septic Tank applications for Variance determination and compliance with Orange County OSB code.

Perform review of (a) stormwater management systems associated with residential commercial and industrial development, (b) drainage studies to establish 100 year flood elevations and (c) master stormwater analyses.

Participate in community meetings and public hearings which includes making presentations to the community and decision-making groups.

Respond to inquiries from citizens via e-mail, telephone or in person.

2005 – 2008

Unipark Construction Corporation – Design, Permitting & Construction

President/Owner – Professional Engineer & General Contractor

Design-Built Construction Company serving both the public and private sector. Responsible for planning, design, permitting and construction of residential and commercial projects. Also, recipient of Design and Construction, and Re-construction Continuing Contracts with Seminole and Volusia County, under the State Housing Initiatives Partnership (SHIP) Program and the Florida Housing Finance Corporation (FHFC) which allocates dollars to the County annually for the purpose of helping their residents obtain safe, decent affordable housing that might otherwise be unavailable to them.

2005 – 1995

International Engineering Consultants, Inc. (IEC)

Vice-President/Co-Owner – Engineering Consultants

Vice-President and Co-Owner of and Engineering Consulting Firm, in-charge of the Land Development Division. Duties included planning, design, permitting, and overall management of residential, commercial, and institutional projects. Also, supervise employees, contract preparation, marketing, day-to-day office duties, and construction plans preparation. Also as Treasurer, responsible of the financial well-being of the Corporation.

IEC was a recipient of a Continuing Design/Consulting contract with Orange County, servicing Orange County Public Works Department, and the Parks Department.

Some of my representative experience includes but is not limited to the following:

- Design and construction of numerous commercial, residential, institutional and recreational development projects throughout the state.
- Extensive experience in right of way, eminent domain and access issues.
- FDOT & County transportation planning and enhancement projects including Public Involvement for various Project Development & Environment Studies.
- Design and Plans Production of vehicular, pedestrian and bicycle facilities for various agencies throughout the State of Florida.
- Extensive experience in highway engineering and design for major urban and rural arterial and collector roads.
- Construction engineering for numerous major multi-lane freeways and interstate highways, as well as primary and secondary arterial and collector roads.
- Extensive experience in the Project Management of major Developments of Regional Impact (i.e. Turtle Run Community Development District; Coral Springs, Florida).
- Extensive experience in the Project Management of large scale land development projects and major limited access multi-lane freeways and interstate highways.
- The review of other consultants' plans and specifications for major land development and multi-lane freeways and interstate highways.
- Coordination with the Federal Highway Administration (FHWA) and other governmental agencies in the permitting and review process, storm drainage designs including runoff characteristics, flood routing, pipe sizing, retention and detention designs and water quality provisions.

1994 – 1995

Lochrane Engineering, Inc.  
Senior Drainage Engineer

Senior Drainage Engineer in-charge of drainage design of local and state highway projects, and several municipalities in Central Florida. Also manage the design of stormwater retention systems, secondary collection systems, permitting with local and state agencies, production schedules, drainage basin studies, construction plans production, and supervision of technical personnel.

1992 – 1994

Orange County Highway Construction Division  
Staff Engineer

Assisted in the management of CIP Highway Design and Construction Projects. Conducted plan review for Highway Design Projects, Community Development Block Grant (CBDG) Projects, participated in the Five (5) Year Highway Design and Construction Budget, reviewed stormwater project

reports, prepared Bid Documents and Technical Provisions, and participated in the Project Consultant Selection Process, attended Community Meetings, among other duties. Performed site visit and assisted the Field Inspectors with field changes.

1992 – 1993

Harling Locklin and Associates, Inc.  
Project Manager

Project Manager duties included planning, design, permitting, and overall management of residential, commercial, and institutional projects. Also supervise employees, contract preparation, marketing, day to day office duties, and construction plans preparation.

1989 – 1992

Ivey Harris & Walls, Inc.  
Senior Project Manager

Senior Project Manager duties included planning, design, permitting, and overall management of residential, commercial, and institutional projects. Also, supervise employees, contract preparation, marketing, day-to-day office duties, and construction plans preparation. Also manage the design of stormwater retention systems, secondary collection systems, permitting with local and state agencies, production schedules, drainage basin studies, construction plans production, and supervision of technical personnel.

1988 – 1989

Mizo – Hill, Inc.  
Director of Land Development

Director of Land Development duties included employee supervision, contract preparation, marketing, and day-to-day office duties. Also planning, design, permitting, and overall management of residential, commercial, and institutional projects. Management and design of stormwater retention systems, secondary collection systems, permitting with local, state, and federal agencies, production schedules, drainage basin studies, and construction plans production.

1986 – 1988

Bowyer - Singleton & Associates, Inc.  
Senior Project Engineer

Senior Project Engineer duties included planning, design, permitting, and overall management of residential, commercial, and institutional projects. Also, supervise employees, contract preparation, marketing, day-to-day office duties, and construction plans preparation. Also manage the design of stormwater retention systems, secondary collection systems, permitting with local and state agencies, production schedules, drainage basin studies, construction plans production, and supervision of technical personnel.

1984 – 1986

Harling Locklin and Associates, Inc.  
Project Engineer

Project Engineer duties included planning, design, permitting, and overall management of residential, commercial, and institutional projects. Also, supervise technical staff, contract preparation, marketing, and construction plans preparation. Also manage the design of stormwater retention systems, secondary collection systems, permitting with local and state agencies, production schedules, drainage basin studies, construction plans production, and supervision of technical personnel.

1983 – 1984

Amax Chemical, Inc.  
Contract Engineer

Contract Engineer duties included planning, design, permitting, and overall management of Phosphate Industry Plant operation. Supervision technical staff, computer programming, preparation of construction documents, and design of slurry pumping system to increase plant output capacity.

1981 – 1983

Dames & Moore, Inc.  
Project Engineer

Project Engineer duties included planning, design, permitting, and overall management of private commercial and institutional projects. Also supervise technical staff, contract preparation, marketing, and construction plans preparation. Performed geotechnical evaluations, groundwater monitoring and sampling, geotechnical drilling supervision and reports, and permitting with local, state, and federal agencies. Preparation of Land Resource Reports for the Federal Land Bank in Colorado, North Dakota, Michigan, Wisconsin, and Minnesota.

## **AREA OF EXPERTISE**

- ◆ Project Management
- ◆ Commercial, Residential and Institutional Land Development
- ◆ Highway Design and Construction
- ◆ Drainage Design and Hydraulic Modeling
- ◆ General and Environmental Permitting
- ◆ Public / Private Utility Systems Design



## **EDUCATION**

- ◆ B.S. Engineering, South Dakota School of Mines and Technology
- ◆ Business Administration, Florida Southern College, Lakeland
- ◆ General Studies, University of Puerto Rico, Rio Piedras

## **PROFESSIONAL REGISTRATIONS**

- ◆ Registered Professional Engineer – New Jersey
- ◆ Registered Professional Engineer – Florida
- ◆ Certified General Contractor – Florida
- ◆ Certified Roofing Contractor – Florida

## **PROFESSIONAL AFFILIATIONS**

- ◆ Society of Hispanic Professional Engineers (SHPE)
- ◆ American Society of Highway Engineers (ASHE)
- ◆ American Society of Civil Engineers (ASCE)
- ◆ National Society of Professional Engineers (NSPE)
- ◆ Florida Engineering Society (FES)

## **CIVIC, PUBLIC AND OTHER PROFESSIONAL DESIGNATIONS / PRESENTATIONS**

- ◆ “Small Company of the Year Nomination” – ASCE 2000
- ◆ “Don Quixote Award” Recipient – HBIF 2000
- ◆ “Borinquen Award” Recipient - Puerto Rican Association 1999
- ◆ Latin Builders and Contractors Council – Board of Directors 1999
- ◆ Puerto Rico Chamber of Commerce – Distinguished Member 1989
- ◆ SHPE Central Florida Chapter – Founding Member
- ◆ Hispanic Chamber of Commerce – Outstanding Member