

Curriculum Vitae

Gerard Cadet, MS (Traffic and Transportation Engineering)

Traffic Engineer (Dade County), Advanced Work Zone Certified

Traffic Expert & Work Zone Safety, LLC

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Summary of Expertise

I have more than 24 years of engineering experience in transportation and traffic engineering with emphasis in traffic operations and work zones safety. Supervised, managed and coordinated roadway construction and work zones safety. Planned, coordinated, reviewed the work of subordinate engineers in a wide variety of traffic engineering, construction and work zone activities. Developed and implemented policies activities and procedures to support work zone safety and monitoring the work of consultants and contractors engaged in the design and construction of complex roadway and building projects.

Assisted construction managers with difficult solutions to complex work zones. Performed field review to determine roadway project compliance with MUTCD, FDOT, OSHA, Florida Green Book, Work Zone Safety and AASTHO standards. Made final review, recommendation and approval for maintenance of traffic cases. Defended and successfully represented Traffic Engineering Division (Dade County) in a lawsuit related to fatality and personal injuries along a work zone and construction site. Defended and successfully represented Traffic Engineering Division (Dade County) in an audit case related to Maintenance of Traffic, Work Zone Safety for road resurfacing permit issued in Dade County, Fl. Panel Member at Florida International University to review traffic workshop and highway design projects for Engineering Students.

Areas of safety expertise include:

- Traffic Safety, work zone safety along roadway, MOT (Maintenance of Traffic), temporary traffic and flaggers
- Construction zones, ADA ramps, pedestrian, bike lane, pavement makings and signage, sidewalk closures, lane closures, signalized and non-signalized intersections, traffic signal timing.
- Accident/Conflict Analysis
- Site Distance Triangle
- Clear Zone
- Traffic Calming
- Roundabout and traffic island
- Traffic Impact studies, Site Plans
- Traffic operations
- Slips, Trips & Falls

Relevant Experiences

10/30/2019-10/30/2022 Dade County, FL

Manager, Traffic Plans Review. Supervised, trained and reviewed the work of Traffic Engineers (1, 2, 3), Engineering Consultants, Professional Engineers, and prepared evaluations (Traffic Engineers 1, 2 and professional Engineers). Made final review and recommendations for countywide maintenance of traffic cases (MOT) and Work Zone Safety in the Public Works System. Rated Employee performance and authorized leave. Coordinated with inter-departmental divisions and sections, County Departments including Police, outside governmental agencies, attorneys, consultants, developers, concerned citizen and homeowner’s associations. Represented Traffic Engineering Division (Dade County) at local, Municipal and State meetings.

08/13/2013-09/30/2019 Dade County, FL

Traffic Engineer 3. Managed Maintenance of traffic Section. Supervised Traffic Engineers and Consultants. Made final review, recommendation and approval for countywide maintenance of traffic cases (Work Zone Safety) in the Public Works System - Rated Employee performance and authorized leave. Supervised and reviewed the work of Traffic Engineers 1, 2, 3, Engineering Consultants and prepared evaluations (Engineers 1 and 2). Coordinated with inter-departmental divisions, sections, Police, outside governmental agencies, attorneys, consultants, developers, concerned citizen and homeowner’s associations. Represented Traffic Engineering Division at local, Municipal and State meetings.

11/4/2021-08/13/2013 Dade County, FL

Traffic Engineer 2. Capacity Analysis for signalized intersections and roadway improvement projects - Reduced delays and improved traffic flow at signalized intersections. Improved traffic flow by improving the surface characteristics of roadways i.e. (Asphalt resurfacing of roadways, pavement markings and signage) -Warrant Analysis for 4-Way Stop Controls and Signalized intersections - Speed Study - Accident/Conflict Analysis. Used of Trip Generation Software to estimate number of trips new developments will generate to the signalized intersections and make recommendations to improve the roadway and modify the signal head accordingly - Prepared response to all level of requests related to Traffic Operations - Represented Public Works Department in meeting with Municipalities, Community Councils and Public at Large -Traffic Concurrency Management (Public Hearing, Building Permits, DIC, DRI, CDMP, TRAFFIC Impact studies, Site Plans, Decorative Walls and Entrance Features) — Reviewed and approved subdivision plans for traffic signage and pavement markings — Reviewed and approved Maintenance of Traffic (MOT) Plans - Land use analysis and traffic impact study for all type of land to be platted in Dade County.

11/4/98-08/13/2021 Dade County, FL

Traffic Engineer 1. Reduced delays and improved traffic flow at signalized intersections. Improved traffic flow by improving the surface characteristics of roadways i.e. (Asphalt resurfacing of roadways, pavement markings and signage) -Warrant Analysis for 4-Way Stop Controls and Signalized intersections - Speed Study - Accident/Conflict Analysis. Prepared response to all level of requests related to Traffic Operations.

July 20, 2024

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05/94-01/98 Lehman Center for Transportation Research at FIU, Miami, FL

Graduate Research, ITS (Intelligent Transportation System) Pavement Design -Traffic Control Devices for signalized and non-signalized intersections.

10/97-04/98 Dade County Public Schools, Miami FL

Mathematics Teacher for Adult Vocational School

02/98-10/98 P.A Complex International, Miami, FL

Project Manager, Transportation Engineer. Mass transit Project (Feasibility Study of the Expansion of the Private Sector Participation in the Public Transit Service) - Calculations for roadway design and drainage improvement projects.

07/95-02/98 City of Lake Worth, FL

Compliance Officer. Reviewed site plans for sidewalk, curb cut, driveway approach, storm water and sanitary sewer - Storm Water management - Inspected and reviewed roadway, drainage and pavement projects – Traffic flow modifications and parking studies- GIS Operator (Arc View). Represented the City at site plan meeting and at Palm Beach County fair and seminars related to storm water management and NPDES.

03/1993-08/1993 Precision Testing & Engineering Inc, Miramar, FL

I tested the soil for foundation and determined the concrete strength at 3, 14, and 28 days.

1992-1994 Dade County Public Schools, Miami FL

Substitute Teacher.

1987-1988 Dadenard International Inc, Pompano Bch, FL

Carpenter, Instrument Man. Responsible for building layout.

Education

Florida International University, Miami FL

Master of Science, Civil Engineering (major in Transportation with emphasis in Traffic), 4/18/1997 GPA 3.408.

Florida International University, Miami FL

Bachelor of Science, Civil Engineering, 12/19/1992

Certifications & Certificates

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Empowering Safety-FDOT's Work Zone Safety Awareness Week Call to Action, 04/19/2024

OSHA (Occupational, Safety, Health Administration

Certified, Slips, Trips & Falls Training Course, 12/23/2023

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SEAK, Inc

How to Write a Bulletproof Expert Witness Report, 11/30-12/1/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Florida Greenbook Updates, 12/26/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Pavement Management Perspective from FHWA and FDOT, 09/27/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Certificate, Intersection Safety – Unsignalized intersections Safety, 09/21/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Intersection Safety – Signalized intersections Safety, 09/14/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Developing Diverse Partnerships, and Implementing Solid Action Plans to Improve Ped/Bike Safety 09/13/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Signing, Pavement Markings and the MUTCD Part 3- Pavement Markings, Temporary Traffic Control and Liability, 08/25/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Signing, Pavement Markings and the MUTCD Part 2- Warrants and Use of Signs, 08/24/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Temporary Traffic Control-Pedestrian and Bicyclist Considerations for Local Agency, 08/19/2023

Center for Urban Transportation Research / Florida Local Technical Assistance Program

Certificate, Developing Diverse Partnerships, and Implementing Solid Action Plans to Improve Ped/Bike Safety 09/13/2023

Florida Department of Transportation

Certificate, ADA for design construction & Maintenance, 08/23/2023

State of Florida

Certified, Advanced Work Zone Traffic Control, 1/11/2002-present.

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Mctrans / Moving Technology

Certificate, Highway Capacity Analysis, 04/30/2009

Florida Department of Transportation

Certificate, Level of Service and delays analysis, 10/23/2007

The John Scott Florida Institute of Government at Florida Atlantic University Atlantic

Certificate, Traffic Roundabout, 01/28/2005

Mctrans / Moving Technology

Certificate, Site Impact Analysis, 03/12/2004

School District of Palm Bch County

Certificate of appreciation for representing Public Works Department and presenting different aspects of Civil Engineering to Lake Worth Community Highschool Students (Career Day), 04/1996

Publication

Gerard Cadet. (12/1996) Traffic Signal Control-a Neural Network Approach

Presentations

Year

1993 Transportation and Land Development, Miami FL
Traffic Workshop, Miami FL

1997 Traffic Signal Control-a Neural Network Approach

2006 Application of Maintenance of Traffic to Building and Roadway Permit, Miami FL

Awards

Service award in recognition of continuous of service excellence with Miami Dade 2004

Safe Driver Award, 2008, 2009

Customer Service award for outstanding service for Traffic Engineering Division and contribute to success of the Public Works

Department and community we live in, 02/2013

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