

# PALM BEACH COUNTY CCNA CERTIFICATION CATEGORIES

## TRANSPORTATION PLANNING

- 1.01 Urban Area and Regional Transportation Planning
- 1.02 Aviation Systems Planning
- 1.03 Airport Master Planning
- 1.04 Waterways and Ports Planning
- 1.05 Mass and Rapid Transit Planning
- 1.06 Alternate Systems and Corridor Location Planning
- 1.07 Environmental Studies
- 1.08 Attitude, Opinion and Community Value Studies

## MASS TRANSIT OPERATIONS

- 2.01 Experimental Systems Research and Development including Demonstration
- 2.02 Airport Design and Operation
- 2.03 Port and Waterway Design and Operation
- 2.04 Mass and Rapid Transit Design and Operation

## HIGHWAY DESIGN ROADWAY

- 3.01 Two-lane or Multi-lane RURAL Generally Free Access Highways Design
- 3.02 Two-lane or Multi-Lane with Curb and Gutter, Generally free Access Highways Design, Including Storm Sewers
- 3.03 Multi-lane RURAL, LIMITED ACCESS Expressway Type Highway Design
- 3.04 Pre-Design Engineering Studies and Design of Urban Expressway and Urban Interstate
- 3.05 Traffic Operations Studies
- 3.06 Traffic Operations Design
- 3.07 Traffic Control Systems Analysis, Design and Implementation

## HIGHWAY DESIGN BRIDGES

- 4.01 Minor Bridges Design
- 4.02 Major Bridges Design
- 4.03 Movable Span Bridge Design

## TOPOGRAPHY

- 5.01 Land Surveying
- 5.02 Engineering Surveying
- 5.03 Geodetic Surveying
- 5.04 Aerial Photography
- 5.05 Aerial Photogrammetry
- 5.06 Remote Sensing
- 5.07 Cartography

## SOILS & FOUNDATION & MATERIALS TESTING

- 6.01 Geological and Geophysical Studies
- 6.02 Bridge Foundation Studies
- 6.03 Pile Foundation Studies
- 6.04 Hydraulic and Hydrologic Studies
- 6.05 Soil Treatment
- 6.06 Materials Testing

## ARCHITECTURAL

- 7.01-05 Architect
- 7.06 Landscape Architecture
- 7.07 Threshold Inspection

## MECHANICAL ENGINEERING

- 8.01 Waste Water Treatment Systems
- 8.02 Waste Water Collection Systems
- 8.03 Water Supply Treatment Systems
- 8.04 Water Distribution Systems
- 8.05 Heating Systems
- 8.06 Cooling Systems
- 8.07 Specialized Design

## ELECTRICAL ENGINEERING

- 9.01 Institutional Facilities
- 9.02 Recreational Facilities
- 9.03 Industrial Facilities
- 9.04 Residential Facilities
- 9.05 Highway Lighting

## STRUCTURAL ENGINEERING

- 10.01 Institutional
- 10.02 Recreational
- 10.03 Industrial
- 10.04 Residential

## OCEANOGRAPHY

- 11.01 Offshore Sand Studies
- 11.02 Beach Restoration
- 11.03 Underwater Investigation

## ENVIRONMENTAL ENGINEERING

- 12.01 Air Quality Investigation and Air Pollution Control
- 12.02 Environmental Audit/Site Investigation
- 12.03 Soil and Groundwater Contamination Assessment and Remediation System Design
- 12.04 Solid/Hazardous Waste Management
- 12.05 Industrial Waste Management
- 12.06 Water Resource Evaluation and Development
- 12.07 Water and Wastewater Treatment Process Design

## OTHER CCNA SERVICES

- 13.00





















