

Managing the Design and Delivery of a Local Agency Program Project

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Local Agency Program Community of Practice



- Facilitated by the LAP Project Review Section:
 - Cheri Sylvester, Administrator
 - Jerald Marks
- Reviews technical issues applicable to the LAP processes and procedures.



Facts About LAP

- The Local Agency Program is a delivery method.
 - LAP does not create funding - project must already be in the FDOT Work Program
 - LAP is not a JPA, which is state funded
- Federal reimbursement contingent upon adherence to federal requirements
 - Federal funding comes with "strings"
 - Federal funding involves Local Agency payout with federal reimbursement



Program Requirements

Highlights of the LAP Checklist for Federally funded Professional Services Contracts:

- Consultants must be prequalified by the Department on all projects for State and National Highway Systems and all off-system "Critical Projects."
- Documentation of negotiations
- Capping of overhead not allowed

Continued.....



Program Requirements

- No General Engineering Consultant (GEC) preference
- Compliance with FDOT's Disadvantaged Business Enterprise (DBE) Program or other approved programs
- Federal E-verify requirement



Program Requirements

- On System - meet FDOT Standards, Criteria, and Specifications.
- Off System - minimum Florida Green book, "The Big 4"
 - Earthwork
 - Asphalt
 - Concrete
 - Landscaping

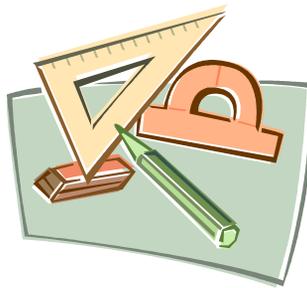


Program Requirements

- Critical Projects
 - Bridges or structures that carry vehicular or pedestrian traffic.
 - Other structures classified as bridges that include structural concrete poured on site. (box culverts)
 - Projects with a construction value \$10 million or more.



LAP Design Requirements



LAP Design Requirements

- Current Design Issues:
 - Optional Pipe Requirements
 - Design Exception / Design Variation Approval Process
 - Use of Proprietary Products
 - MOT Requirements



LAP Design Requirements

- Promote competition and help control cost
- Optional pipe (exceptions to rules):
 - Compatibility
 - Analysis using the Culvert Service Life Estimator Program
 - Locally funded



LAP Design Requirements

(from Drainage Handbook, Chapter 6)

Application	Materials to be Considered
Cross Drain French Drain Side Drain Storm Drain	Aluminized Steel Aluminum Concrete (all types) Corrugated Polyethylene (60" maximum) Polyvinyl Chloride (36" maximum) Galvanized Steel
Gutter Drain	Corrugated Aluminized Steel ($n > 0.020$) Corrugated Aluminum ($n > 0.020$) Corrugated Steel ($n > 0.020$)
Vertical Drain	Ductile Iron (In saline environments, consider aluminum and fiberglass)



LAP Design Requirements On-State Highway System

- Design Exceptions
- Design Variations
- Defined in Chapter 23 of the Plans Preparation Manual (PPM) V. I
- Design Exceptions apply to the 13 critical elements
- Design Variations apply to the 13 critical elements and additional design elements considered to be safety related.

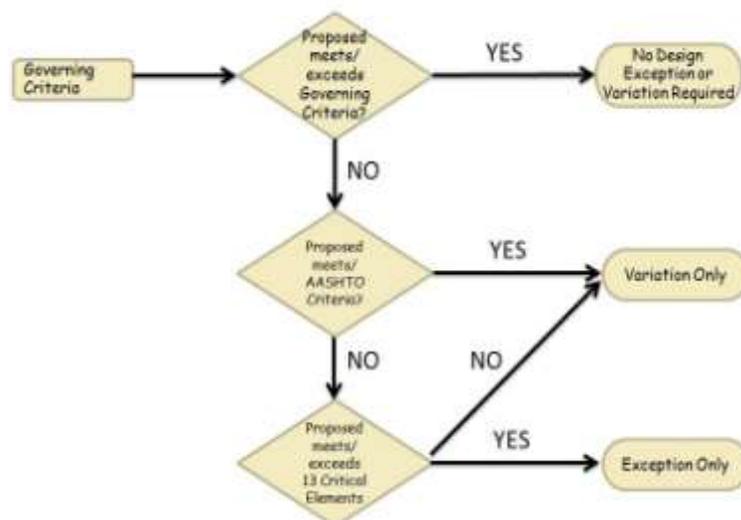


Design Exceptions and Variations

- Design Speed
- Lane, Shoulder, and Bridge Widths
- Structural Capacity
- Vertical Clearance
- Grades
- Cross Slope
- Superelevation
- Horizontal and Vertical Alignment
- Horizontal Clearance
- Stopping Sight Distance



LAP Design Requirements On-State Highway System



Design Exception Approval for On-System Projects

- Signed and Sealed by the Engineer of Record
- Must be approved by the District Design Engineer and the State Roadway Design Engineer
- Certain design elements impacting Category 1 and 2 Structures require approval by the State Structures Design Engineer



Design Exception Approval for Off-System Projects

- Signed and Sealed by Engineer of Record
- Must be approved by the Local Agency Engineer or Representative
- Florida Green book, Chapter 14, Part C
 - No Design Variations per Florida Green book



Proprietary Products

23 CFR 635.411

- A Public Interest Finding or Certification required:
 - Synchronization with existing facilities
 - No equally suitable alternative
- Experimental products or processes with approved work plan



Plans Development

- Plans submittals
 - On-System Projects - Phase 1-4 submittals may be required by the District
 - Off-System Projects - Phase submittals on project by project basis
- Approval of the Environmental, Rail, Utility, and ROW certifications, and Specifications Package



Federally Funded Projects

- MOT Requirements
- 23 CFR 630 Part J - Work Zone Safety and Mobility
 - Training (Basic, Restricted, Intermediate and Advanced)
 - Transportation Management Plan (Traffic Control Plan and Public Information Activities)



Federally Funded Projects

- MOT Training / Certification
 - Required for the design of Traffic Control Plans
- Advanced training (3 days)
 - Required for contractor personnel in charge of work zone set-up
- Flaggers trained in Flagging Operations



Federally Funded Projects

Traffic Control Plan

Reference to Design
Standard Index 600



Designed specifically
for the Project



Contact us

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QUESTIONS?

