



# Developmental Specifications and the Innovative Products List

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# FDOT and INNOVATION!

- Secretary Prasad challenged and championed Department employees to innovate and ‘rock the boat’ with ideas for changes/updates to Department culture.
  - Secretary Boxold is continuing that initiative with Mr. Brian Blanchard, Assistant Secretary for Engineering and Operations as the Leader of the efforts.
- The Department is using many avenues to initiate the challenge:
  - Step-Up (Department Wide)
  - Innovators Task Team (Department Wide)
  - Other Office specific programs



# Program Management Innovation

- In order to support the initiative, the Program Management Office has increased the visibility and use of Developmental Specifications (DEV).
- Department personnel can develop a specification for new ideas/products to publish on the Department site (through the State Specifications Office) for use on select statewide projects.
  - The developer of the DEV becomes the “Technical Expert” for that particular DEV.
  - The developer



# Project Evaluation of New/Innovative Products

1. Contact Product Evaluation Section
  - Product knowledge
  - Assistance with Developmental Specification or Design Standard
2. Start Writing a Developmental Specification or Design Standard
  - Identify the use of the product
  - Identify key performance requirements of the product for that use
  - Identify key material requirements
  - Identify existing Specifications and/or Design Standards



# Developmental Specifications

- Located on the State Specifications Website.

<b>Design/Build</b>	<b>Design Build</b> Specifications boilerplate to be incorporated into the Request for Proposal (RFP) for Design Build projects.
<b>Local Agency</b>	Implemented specifications used by <b>Local Agencies</b> .
<b>Developmental</b>	<b>Developmental Specifications</b> are developed around a new process, procedure, or material approved for limited use by the State Program Management Office. These specifications are signed and sealed by the professional engineer responsible for authorizing use and monitoring performance in the field. Developmental Specifications are requested from the District Specifications Office on a project by project basis.
<b>Push Button</b>	<b>Push Button Specifications</b> allow the use of Work Documents or Task Orders to complete the work covered by the contract.
<b>Maintenance</b>	Specifications developed for use on <b>Maintenance Contracts</b> .



# Developmental Specification Process Parts

1. Developmental Specification
2. Usage Notes
3. Assigned Monitor, usually the developer
4. Monitoring Plan
5. Project List



# Innovative Product Developmental Specification Process Parts

1. Developmental Specification
  - Including product performance, feature, and/or material requirements
2. Usage Notes
3. Assigned Monitor, usually the developer
4. Monitoring Plan
5. Project List
6. Innovative Product List (IPL)



# Innovative Product List (IPL)

- Based on the DEV a manufacture can submit products for review and inclusion on the IPL.
  - The Technical Expert will review the products and determine if the manufacture meets the requirements for inclusion on the IPL.
  - Approved products will be displayed on the Innovative Products website for all Districts to use if they receive approval for use of the Product Evaluation Section.
- Note: The 'Or Equal' must be included in the DEV. When a contractor/mannufacturer submits a proposed equal product, the Technical Expert will review for inclusion on the IPL.



# Developmental Specifications



## Developmental Specifications

*Developmental Specifications* are specifications developed around a new process, procedure, or material approved for limited use by the State Program Management Office. These specifications are signed and sealed by the professional engineer responsible for authorizing their use and monitoring their performance in the field. A list of projects where the specification has been used is provided.

**NOTE:** Developmental Specification must be requested from the District Specifications Office on a project by project basis.

**\*\* Additional information may be found on the Innovative Products List (IPL).**

Title	Monitor	Developmental Specification (** IPL)	Developmental Design Standard
BUSINESS DEVELOPMENT INITIATIVE			

## TRAFFIC CONTROL MATERIALS

### Highway Lighting Materials - LED.

Use on jobs with LED Lighting. Requirements for LED fixtures.

Chester Henson

Dev992LED\*\*

Project List

N/A

### Object Markers and Delineators - High Performance Managed Lane Delineators.

High performance 36 inch delineators for use on managed lanes.

Chester Henson

Dev993

Project List

N/A

# Developmental Specifications

- Innovate Product List
  - Links To:
  - DEV Specs
  - DEV Stds
  - Products & Report

Innovative Product List (IPL) Index

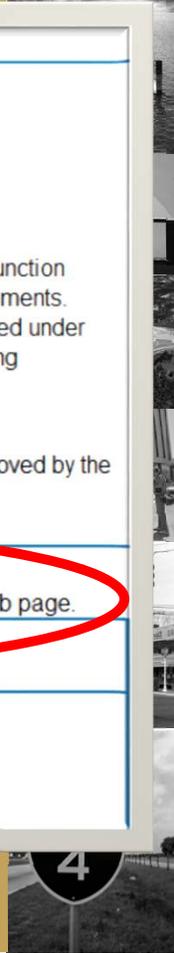
For questions about the IPL, please contact  
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The Innovative Products List (IPL) identifies the products under consideration by the Department for project use in conjunction with Developmental Specifications, Developmental Design Standards and/or Draft language in other Department documents. These developmental documents and products have potential use on the State Highway system but need to be evaluated under actual field conditions. You are encouraged to use these products when applicable to your project subject to the following conditions:

- These lists are not exclusive. You may request consideration for alternative products.
- The use of any of these developmental or draft documents, IPL products and/or alternative products must be approved by the Monitor.

Project list may be viewed on the [Developmental Specifications](#) or [Developmental Design Standards](#) web page.

Developmental Specification	Developmental Design Standard	Description	Monitor	Product List
Dev446		Installation of Post-Installed Anchor Systems and Dowels for Structural Applications in Concrete Elements. This specification includes the use of	Gevin	
Dev707		Internally Illuminated Raised Pavement Markers	Alan El-Urfali	Lux-Solar - SolarCap Infinity, FDOT Report



# Developmental Specification Use

- The District will identify a potential project to use a DEV Specification on and request to use it through the State Specifications Office.
- The Technical Expert will review the request and forward their decision to the State Specs Office for routing.
  - Specs Office will notify District of decision.
  - Specs Office will track request and forward necessary documents.
  - Technical expert will track performance in the field with District support.
- If DEV is proven successful, it may eventually move into the Standard Specifications for use on all jobs. And IPL products may move to the APL.



# Dev Spec and IPL Advantages

1. Internal Knowledge Management
  1. Who is evaluating it, and a contact to check on performance
2. Monitoring
  1. Formalized the process
3. Contractor Assistance
  1. Provide a place to start for purchasing products
4. Transparency
  1. Fair and Open activities
  2. General Advertising for product needs
5. Easier Specification and APL Implementation



The logo for the 2015 Design Training Expo features a stylized, golden arrow pointing to the right. The year "2015" is written in a serif font above the arrow's shaft. The words "Design Training" are written in a bold, sans-serif font across the middle of the arrow, and "Expo" is written in a cursive script below it.

2015  
**Design Training**  
*Expo*

## Questions?

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