

Specifications Packages for Local Projects



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Local Agency Specifications

What We Know...

What We Want to Know...

- ◆ Specifications – What, Where, How
 - ◆ On-System Requirements
 - ◆ Off-System Requirements
 - ◆ Critical Components
 - ◆ Proprietary Products

Using Local Agency Specs and Contract Language

- ◆ First and Foremost, we ALL need to remember that these are Local Agency Contracts
- ◆ Still true when FDOT and Federal funds are involved
- ◆ Local Agencies have their own policies, procedures, standards, processes, ordinances, etc.
- ◆ Construction Check List



Using OLD FDOT Stuff

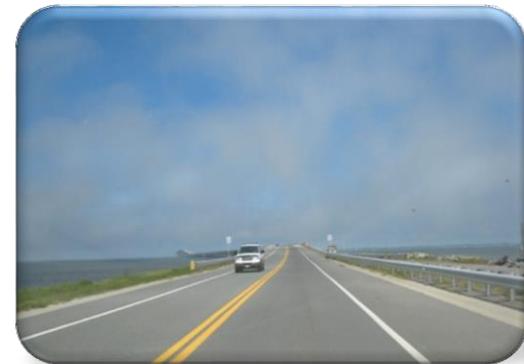
- ◆ Local Agency Archives
- ◆ A Library for Local Agency Specs from a Link on the FDOT State Specs Office Web Site
- ◆ Available for Agencies, Designers & Contractors
- ◆ May NOT be Used on FDOT Projects
- ◆ No Longer FDOT Specs for Coordination & Updating

Using NEW FDOT Stuff

- ◆ Current Standard Specifications for Road & Bridge Construction
- ◆ Supplemental Specifications (The Latest & Greatest) from the FDOT Workbook of Implemented Modifications
- ◆ *Yearly implementation of the eBook of Standard Specifications.*
- ◆ *Beginning January 2015, bi-annual implementation of the Standard Specifications eBook.*

On-System or Off-System

- ◆ On-System - Projects on the State Highway System or the National Highway System.
 - ✓ Within the FDOT rights-of-way.
 - ✓ Local Agency General Condition specs (Division I).
 - ✓ FDOT specs for
 - Division II (Construction Methods)
 - Division III (Materials)
- ◆ Follow FDOT requirements
 - ✓ PPM
 - ✓ FDOT Standards
 - ✓ FDOT Specifications



On-System or Off-System

- ◆ Off-System - Projects not on the State Highway System or the National Highway System

- ◆ Follow Local Agency design parameters as long as federal requirements are met
 - ✓ Florida Greenbook
 - ✓ AASHTO Criteria

- ◆ Use local agency General Condition specifications (Division I).

- ◆ Use local agency construction method and material specifications different than FDOT's, except in the areas of the "Big Four."



On-System – Off-System

The “Big Four”

- ◆ To Provide Specs with Simplified Testing and Acceptance Criteria, Recognizing Differences in Project Complexity and Contract Administration Approach Between FDOT and Local Agencies
- ◆ Written for anticipated, off-system project scopes (i.e. mainly rails to trails, bikeways, sidewalks, etc.) to cover:
 - ✓ Earthwork
 - ✓ Asphalt
 - ✓ Concrete
 - ✓ Landscaping
- ◆ Many scopes didn't follow the expected, so... modifications to the “Big Four” can be used, but ***all changes must be approved by the FDOT.***

Off-System – On-System Critical Projects

- ◆ Projects where work mixes include the following components will be handled as off-system critical projects (per Section 23.1.3 of the LAP Manual):
 - ✓ Bridges
 - ✓ Box culverts
- ◆ The critical components methodology requires that ONLY the bridge or box culvert will be constructed per FDOT specifications.
 - ✓ The remainder of the project can be built with the local agency specifications.
 - ✓ FDOT certifies materials for “critical” component work and Local Agency certifies other work.
 - ✓ Inspection qualifications (field and lab testing) for “critical” component work per FDOT requirements.
 - ✓ Plan set and Specifications clearly depict what qualifications shall apply for “critical” work and other work.
- ◆ Full FDOT specifications, and administrative procedures, will be used on those projects greater than \$10 million.

Off-System vs On-System

Local Agency Program Project Specification Use

	<u>On System</u>	<u>Off System</u>
DOT Division I specs	NO (must include, per guidelines, necessary portions of Sections 1, 4, 5, 6, 7 & 9)	NO (must include necessary definitions from on-system guidelines)
Local Agency Division I specs	YES	YES
DOT Division II & III specs	YES	USE LOCAL SPECS EXCEPT IN AREAS OF ASPHALT, CONCRETE, EARTHWORK OR LANDSCAPING, THEN USE THE "BIG FOUR" (IF locals want to use their own IN THESE FOUR AREAS, then it must go to Tallahassee for review.)

availability issues or more than one FHWA region may be submitted by the FHWA to the Administrator for action.

(6) A request for waiver and an appeal from a denial of a request must include facts and justification to support the granting of the waiver. The FHWA response to a request or appeal will be in writing and made available to the public upon request. Any request for a nationwide waiver and FHWA's action on

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work of a project and these available materials or products are judged to be of satisfactory quality and equally acceptable on the basis of engineering analysis and the anticipated prices for the related item(s) of work are estimated to be approximately the same, the PS&E for the project shall either contain or include by reference the specifications for each such material or product that is considered acceptable for incorporation in the work. If the

§ 635.411 Material or product selection.

(e) In the case of a design-build project, the following requirements

(d) Reference in specifications and on plans to single trade name materials will not be approved on Federal-aid contracts.

forth in the Request for Proposals document unless the conditions of paragraph (a) of this section are applicable.

(1) Such patented or proprietary item is purchased for use in a project of competitive bidding; or

(2) The State transportation department certifies either that such patented or proprietary item is essential for synchronization with existing highway facilities, or that no equally suitable alternate exists; or

(3) Such patented or proprietary item is used for research or for a distinctive type of construction on relatively short sections of road for experimental purposes.

(b) When there is available for purchase more than one nonpatented, nonproprietary material, semifinished or finished article or product that will fulfill the requirements for an item of

work of a project and these available materials or products are judged to be of satisfactory quality and equally acceptable on the basis of engineering analysis and the anticipated prices for the related item(s) of work are estimated to be approximately the same, the PS&E for the project shall either contain or include by reference the specifications for each such material or product that is considered acceptable for incorporation in the work. If the

[41 FR 36204, Aug. 27, 1976, as amended at 67 FR 75926, Dec. 10, 2002; 71 FR 66454, Nov. 15, 2006]

§ 635.413 Guaranty and warranty clauses.

The STD may include warranty provisions in National Highway System (NHS) construction contracts in accordance with the following:

Proprietary Products

- ◆ Patented or Proprietary Product – A product, specification, or process identified in the plans as a “brand” or trade name (e.g., 3M, Corten, etc.)
- ◆ The State Certifies it meets one of the following criteria:
 - ✓ Essential for synchronization, or
 - ✓ There is no equal capable of meeting for need,
 - ✓ It is being used in research (Experimental) – State Approval required.

Proprietary Products

◆ Unique Need” Definition:

- ✓ Sole source,
- ✓ One of a kind,
- ✓ Or has no equal capable of meeting the need with any other product or process.

◆ A certification and a Public Interest Finding (PIF) are different in that:

- A PIF is used if a contracting agency elects to require a specific product when other acceptable products are available.
- Reasons other than Synchronization and Unique Need.



Specifications and Estimates

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- [Standard Specifications](#)
- [Industry Review](#)
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- [Basis of Estimates](#)
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Welcome

The Specifications and Estimates Office develops and provides policies, procedures, training, and guidance to support the design, construction and maintenances of Florida roads and bridges. Our functional areas include Specifications, Estimates, Product Evaluation, and Utilities.

News

Specifications Package Preparation Training for Consultants

will provide you with important information and techniques used in preparing FDOT Contracts. **Register now!**

Estimates Bulletins 13-05 through 13-13 for January 2014 lettings and later

August 20, 2013

Estimates Bulletin 13-10: Landscape Construction and Establishment Contracts

August 20, 2013

Estimates Bulletin 13-09: Replacement of Computation Books with Plan Summary Boxes

August 20, 2013

Consolidation of Products and Specifications (COPS) schedule

Updated August 7, 2013

Specifications and Estimates

Specifications and Estimates / Divisions

Specifications and Estimates Office Divisions



Specifications



Contains links to the FDOT Specifications and other related information .



Link to the Specifications Workbook Files.



Link to the Industry Review to provide comments to current proposed specification revisions.



Link to Specs on the Web - the web application used to create specification packages.

Estimates



Link to the Basis of Estimates Web Page



Contains links to Estimates Web Applications and Trns-port related information.



Link to the Long Range Estimating log in page.

Product Evaluation



Link to the Qualified Product List.

Utilities



Link to the Utilities Accommodation Manual.



Specifications and Estimates

Specifications and Estimates / Specifications

Standard Specifications for Road & Bridge Construction



Adobe Reader is required to view the specification documents. [Free Adobe download](#)



The Standard Specifications for Road and Bridge Construction contain requirements setting out or relating to the method or manner of performing work or to the quantities and qualities of materials and labor for all FDOT contracts. You will find links to the standard specifications documents for current and recent past FDOT projects in the [Standard Specifications Library](#).

Standard Specifications Library	Links to all current implemented Standard Specifications and revisions.
Industry Review	A list of proposed Specification revisions for review and comment.
Track the Status of Revisions	Check the status of proposed revisions currently in review.
Web Links	A list of Specification references and the links they contain.
Specification Development	Links to the Specification Development Procedure and other helpful information.
Specification Package Preparation	Link to the Specification Package Preparation Procedure and other helpful information.
Specs on the Web	Link to the web application used to prepare Specifications Packages.

Design/Build	Design Build Specifications boilerplate to be incorporated into the Request for Proposal (RFP) for Design Build projects.
Local Agency	Implemented specifications used by Local Agencies .
Developmental	Developmental Specifications are developed around a new process, procedure, or material approved for limited use by the State Specifications and Estimates 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.
Push Button	Push Button Specifications allow the use of Work Documents or Task Orders to complete the work covered by the contract.
Maintenance	Specifications developed for use on Maintenance Contracts .



Specifications and Estimates

Specifications and Estimates / Specifications

Standard Specifications Library



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This document contains the most recent published version of FDOT's Standard Specifications for Road and Bridge Construction, effective for project lettings beginning January 2014. Please view and read the Distribution memo for more information.

January 2014 Distribution Memo

Download the **2014 Standard Specifications eBook** in .pdf (file size = < 8 MB).

Revisions to the published Standard Specifications for Road and Bridge Construction may be implemented to enhance safety; reduce costs; comply with new laws, rules or policies; incorporate new technology; update industry standards or practices; and other critical updates. These revisions are implemented after January 1, 2014 and before January 1, 2015.

- [2014 Book - Implemented Revisions](#)
- [January 2014 Workbook](#)
- [January 2014 Workbook History](#)
- [Mandatory Revisions - January](#)



This document contains the published version of FDOT's Standard Specifications for Road and Bridge Construction, effective for project lettings beginning January 2013.

2013 eBook Presentation

January 2013 Distribution Memo

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- [2013 Book - Implemented Revisions](#)
- [July 2013 Workbook](#)
- [July 2013 Workbook History](#)
- [Mandatory Revisions - July](#)
- [January 2013 Workbook](#)
- [January 2013 Workbook History](#)
- [Mandatory Revisions - January](#)

Previous published versions of FDOT's Standard Specifications for Road and Bridge Construction and the associated implemented revisions.



Spec Workbooks

- [2010 Spec Book](#)
- [2010 Spec Book and Workbook History](#)
- [2007 Spec Book and Workbook History](#)
- [2004 Spec Book and Workbook History](#)
- [2000 Spec Book and Workbook History](#)
- [Workbook and Mandatory Revisions Archive](#)



Specifications and Estimates

Specifications and Estimates / Local Agency

Local Agency Specifications



Local Agency Program (LAP) :

- On the State Highway System (On-System) LAP projects must use Divisions II and III of the FDOT Standard Specifications for Road and Bridge Construction and implemented modifications in accordance with the LAP Manual.
- Off-System LAP projects must use the pre-approved Big 4 Specifications or local agency specifications approved in advance in accordance with the LAP Manual.

Off-System LAP Specifications ("Big 4")	The "Big 4" Specifications were developed in conjunction with the Florida Green Book Committee, our Local Agency Program (LAP) partners, the Florida Association of County Engineers and Road Superintendents (FACERS), and the Federal Highway Administration (FHWA).
Off-System LAP Specifications Guidelines	Information on preparing the administrative portion of contract documents for Off-System LAP projects.
On-System LAP Specifications Guidelines	Information on preparing the administrative portion of contract documents for On-System LAP projects.
On-System LAP Specifications Guidelines (Design Build)	Information on preparing the administrative portion of contract documents for Design Build On-System LAP projects.

Other Local Agency Specifications

Reworked Asphalt Concrete Pavement for Local Agency Use	This process consists of reworking the existing asphalt pavement using, at the Contractor's choice, either milling and plant produced hot-mix asphalt or the hot-in-place recycling process. NOTE: Contact Patrick Overton at 850-414-4348 for use.
Archived Specifications for Local Agency Use	Specifications available through this site are archived Specification files no longer approved for use by the Florida Department of Transportation. NOTE: These files MAY NOT BE USED on any FDOT projects.
Florida Pavement Preservation Council	Specifications available through this site are provided by the Florida Pavement Preservation Council. These specifications were not developed by and are not owned by the Florida Department of Transportation. NOTE: These files MAY NOT BE USED on any FDOT projects.

Specifications Packages for Local Projects



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Announcements

July 2013 Workbook Specs

The July 2013 Workbook specifications are now in Specs on the Web. You may create packages for lettings July - December 2013. [¿](#)

January 2014 Workbook

[¿](#)The January 2014 Workbook specifications are now in Specs on the Web.

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Select		Description	Usage Notes
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<input type="checkbox"/> FPPC335-MicroSurfing	Browse (Unknown file size)	MICRO SURFACING. (Rev. 7/30/2013) (FA.) (09/13)	For Local Agency Use Only. (This specification was not developed and is not owned by the FDOT.)
Local Agency Specs			
<input type="checkbox"/> LAPB4120	Browse (Unknown file size)	EARTHWORK AND RELATED OPERATIONS FOR LAP (OFF-SYSTEM). (Rev. 1/23/2012) (FA. 2/27/2012) (03/12)	Use on Off-System LAP Projects.
<input type="checkbox"/> LAPB4334	Browse (Unknown file size)	HOT MIX ASPHALT FOR LAP (OFF-SYSTEM). (Rev. 11/17/2011) (FA. 2/27/2012) (03/12)	Use on LAP Off-System Projects.
<input type="checkbox"/> LAPB4344	Browse (Unknown file size)	CONCRETE FOR LAP(OFF-SYSTEM). (Rev. 12/20/2011) (FA. 2/27/2012) (03/12)	Use on LAP Off-System Projects.
<input type="checkbox"/> LAPB4580	Browse (Unknown file size)	LANDSCAPE INSTALLATION FOR LAP (OFF-SYSTEM). (Rev. 4/5/2011) (FA. 4/15/0211) (04/11)	Use on LAP Off-System Projects.
FDOT Archive Specs			
<input type="checkbox"/> LASA120	Browse (Unknown file size)	EXCAVATION AND EMBANKMENT. (Rev. 1/1/2000) (FA.) (01/13)	For Local Agency Use - FDOT Archive Specification
<input type="checkbox"/> LASA125	Browse (Unknown file size)	EXCAVATION FOR STRUCTURES. (Rev. 1/1/2000) (FA.) (01/13)	For Local Agency Use - FDOT Archive Specification
<input type="checkbox"/> LASA160	Browse (Unknown file size)	STABILIZING. (Rev. 1/1/2000) (FA.) (01/13)	For Local Agency Use - FDOT Archive Specification

Supplemental Specification

<input type="checkbox"/> SS1020000	Browse <small>(Unknown file size)</small>	102 MAINTENANCE OF TRAFFIC. (Rev. 10/9/2012) (FA.) (01/13)	All Jobs. Issued as Mandatory No. 1 to the January 2013 eBook. Changes to 102.
<input type="checkbox"/> SS1050302	Browse <small>(Unknown file size)</small>	CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS - COMPLIANCE WITH THE MATERIALS MANUAL. (Rev. 3/7/2013) (FA. 3/15/2013) (07/13)	All Jobs. Changes to 105-3.2.
<input type="checkbox"/> SS1070000	Browse <small>(Unknown file size)</small>	107 LITTER REMOVAL AND MOWING. (Rev. 12/3/2012) (FA. 12/12/2012) (07/13)	All Jobs. Changes to 107.
<input type="checkbox"/> SS1250801	Browse <small>(Unknown file size)</small>	125 EXCAVATION FOR STRUCTURES AND PIPE. (Rev. 12/3/2012) (FA. 2/1/2013) (07/13)	All Jobs. Changes to 125-8.1, 125-9.2.1.
<input type="checkbox"/> SS2340100	Browse <small>(Unknown file size)</small>	234 SUPERPAVE ASPHALT BASE. (Rev. 1/14/2013) (FA. 1/28/2013) (07/13)	All Jobs. Changes to 234-1, 234-2.1, 234-3.2.
<input type="checkbox"/> SS3200201	Browse <small>(Unknown file size)</small>	320 HOT MIX ASPHALT - PLANT METHODS AND EQUIPMENT. (Rev. 1/14/2013) (FA. 1/28/2013) (07/13)	All Jobs. Changes to 320-2.1, 320-7.
<input type="checkbox"/> SS3300302	Browse <small>(Unknown file size)</small>	330 HOT MIX ASPHALT - GENERAL CONSTRUCTION REQUIREMENTS. (Rev. 11/20/2012) (FA. 1/28/2013) (07/13)	All Jobs. Changes to 330-3.2.2.

Standard Specifications			
<input type="checkbox"/> STD100-2013	Browse (Unknown file size)	CONSTRUCTION EQUIPMENT - GENERAL REQUIREMENTS. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
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<input type="checkbox"/> STD103-2013	Browse (Unknown file size)	TEMPORARY WORK STRUCTURES. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
<input type="checkbox"/> STD104-2013	Browse (Unknown file size)	PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
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<input type="checkbox"/> STD300-2013	Browse (Unknown file size)	PRIME AND TACK COATS. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
<input type="checkbox"/> STD320-2013	Browse (Unknown file size)	HOT MIX ASPHALT - PLANT METHODS AND EQUIPMENT. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
<input type="checkbox"/> STD327-2013	Browse (Unknown file size)	MILLING OF EXISTING ASPHALT PAVEMENT. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
<input type="checkbox"/> STD330-2013	Browse (Unknown file size)	HOTMIX ASPHALT - GENERAL CONSTRUCTION REQUIREMENTS. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
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<input type="checkbox"/> STD336-2013	Browse (Unknown file size)	ASPHALT RUBBER BINDER. (Rev. 1/1/2013) (FA.) (01/13)	2013 FDOT Standard Specification for Road and Bridge Construction
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<input type="checkbox"/> LAPB4344	Browse (Unknown file size)	CONCRETE FOR LAP(OFF-SYSTEM). (Rev. 12/20/2011) (FA. 2/27/2012) (03/12)	Use on LAP Off-System Projects.
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“Merge Specifications” in Specs on the Web and ***VOILA!!***

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LAP SPECIFICATIONS

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Specifications Packages for Local Agencies

A Single Document with all your Selections To Be Saved on
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**EARTHWORK AND RELATED OPERATIONS FOR LAP (OFF-SYSTEM).
(REV 1-23-12) (FA 2-27-12)**

SECTION 120 EARTHWORK AND RELATED OPERATIONS FOR LAP (OFF-SYSTEM)

120-1 Description.

120-1.1 General: Perform earthwork and related operations based on the type of work specified in the Contract and the Earthwork Categories as defined below. Meet the applicable requirements for materials, equipment and construction as specified.

Earthwork and related operations consists of excavation for the construction of the roadway, excavation for structures and pipe, constructing backfill around structures and pipe, and constructing embankments as required for the roadway, ditches, and channel changes.

120-1.2 Earthwork Categories: Performance of Earthwork Operations will fall into one of the following Earthwork Categories:

120-1.2.1 Earthwork Category 1: Includes the earthwork and related operations associated with the construction of sidewalks and bike paths along with any drainage structures associated with these facilities.

120-1.2.2 Earthwork Category 2: Includes the earthwork and related operations associated with the construction of turn lanes and other non-mainline traffic lanes, widening, roadway shoulders, concrete box culverts, retaining walls, and other drainage structures on the non-mainline pavement.

120-1.2.3 Earthwork Category 3: Includes the earthwork and related operations associated with the construction of new mainline pavement, along with concrete box culverts, retaining walls, and other drainage structures on the mainline pavement.

120-2 Classes of Excavation.

120-2.1 Excavation of Unsuitable Material: Excavation of unsuitable material consists of the removal of muck, clay, rock or any other material that is unsuitable in its original position and that is excavated below the finished grading template. For stabilized

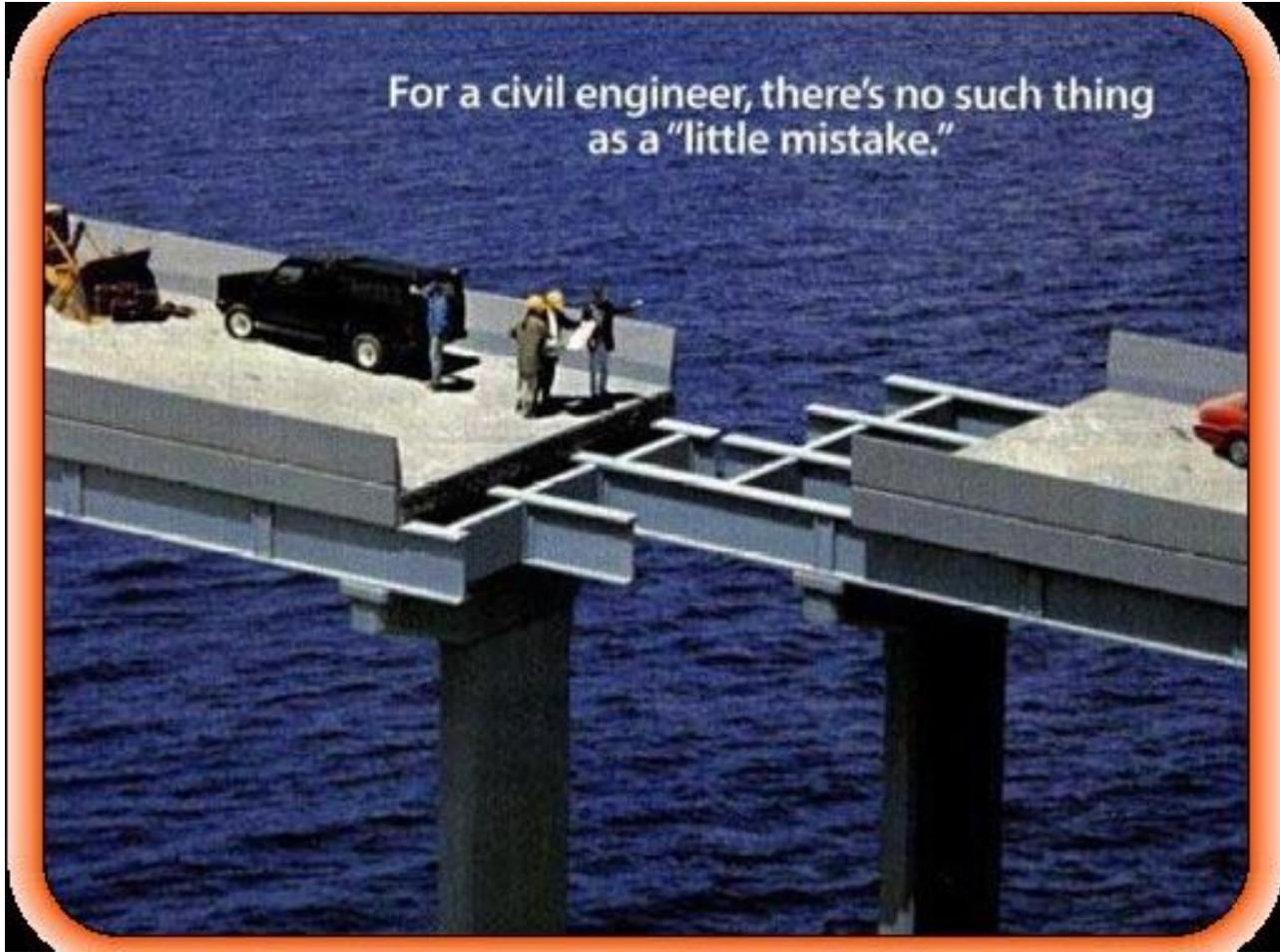
Resources and Guidance

- ◆ LAP Manual
 - ✓ <http://www.dot.state.fl.us/projectmanagementoffice/LAP/Default.shtm>
 - ✓ http://www.dot.state.fl.us/projectmanagementoffice/LAP/LAP_TOC.shtm
- ◆ LAP Bulletins
 - ✓ <http://www.dot.state.fl.us/projectmanagementoffice/LAP/Default.shtm>
 - ✓ <http://www.dot.state.fl.us/projectmanagementoffice/LAP/LAPMemos/default.shtm>
- ◆ LAP Checklist for Construction
 - <http://www.dot.state.fl.us/projectmanagementoffice/LAP/Default.shtm>
 - ✓ <http://www2.dot.state.fl.us/proceduraldocuments/forms/informs/52501044.pdf>
- ◆ Specifications Guidelines Documents
 - ✓ <http://www.dot.state.fl.us/specificationsoffice/Implemented/LAP/Default.shtm>
 - ✓ On-System
 - ✓ Off-System
 - ✓ Design Build
- ◆ LAP Project Review – Asked and Answered Documents (A&As)
 - ✓ <http://www.dot.state.fl.us/officeofdesign/ProjectReview/LAP/>
 - ✓ <http://www.dot.state.fl.us/officeofdesign/ProjectReview/LAP/DefaultAA.shtm>
- ◆ State Specifications Office Web Site
 - ✓ <http://www.dot.state.fl.us/specificationsoffice/>
- ◆ Specs on the Web
 - ✓ <https://www2.dot.state.fl.us/SpecificationsPackage/Utilities/Membership/login.aspx>
- ◆ Invitation to Innovation
 - ✓ <http://www.dot.state.fl.us/officeofdesign/Innovation/>

Where can you get more info on TSPs?

- ◆ District Specifications Engineers
 - ✓ Access to library of TSPs
- ◆ State Specifications Section
 - ✓ Provide guidance on formatting, etc.
- ◆ Contact Info
 - ✓ <http://www.dot.state.fl.us/specificationsoffice/staff.shtm>

For a civil engineer, there's no such thing
as a "little mistake."



Any Questions?