



Florida Department of Transportation

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605 Suwannee Street
Tallahassee, FL 32399-0450

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INTERIM SECRETARY

MEMORANDUM

DATE: January 8, 2007

TO: Ananth Prasad, Chief Engineer

FROM: Robert Greer, Director, Office of Design
Brian Blanchard, Director, Office of Construction
Tim Lattner, Director, Office of Maintenance

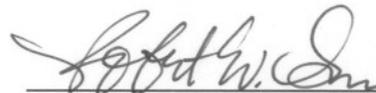
COPIES: Kevin Thibault, Assistant Secretary for Engineering Operations

SUBJECT: Basis of Estimate Handbook – 2007 Update

I approve the Implementation Plan for each issue outlined in the:

2007 Basis of Estimate Handbook Summary of Major Changes

Robert Greer



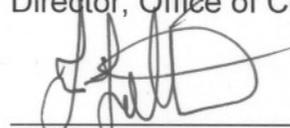
Director, Office of Design

Brian Blanchard



Director, Office of Construction

Tim Lattner



Director, Office of Maintenance

DATE: January 2, 2007

TO: Basis of Estimate Handbook Users

FROM: Paul Herring and Melissa Hollis

E-COPY: Ananth Prasad, Robert Greer, Lora Hollingsworth, Brian Blanchard, Phillip "Greg" Davis, Robert Robertson, Duane Brautigam, Tim Lattner, District Design Engineers, District Project Management Engineers, District Structures Design Engineers, District Construction Engineers, District Pavement Design Engineers, District Estimates Engineers and District Specifications Engineers

**SUBJECT: 2007 Basis of Estimates Handbook
Summary of Major Changes**

The Coordination Team made recommendations for the implementation of changes to pay items and specifications that have been developed within the last six months. The implementation plan for each issue has been approved by the appropriate office. The issues were discussed at the District Design Engineer's (DDE) and/or District Construction Project Managers' Meeting(s). The Directors of Design, Construction, and Maintenance have concurred with the overall implementation. A detailed description of each of these changes and their implementation date is attached. The following is a summary of issues addressed in this update:

Subject	Contents	Effective Letting	Page No.
Minor Issues, Announcements, General Notices			
104	Relocate Floating Turbidity Barrier	January 2007	3
	Contact Database- BOE Registration	July 2007	3
Issues and Implementation Plans			
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407	Three-Sided Precast Concrete Culvert	January 2007	8
410	Concrete Box Culverts	July 2007	10
455	Embedded Data Collector	January 2007	12
471	Plastic Piles and Plastic Lumber for Fender Systems <i>(Repeated from April 2006 letter)</i>	January 2007	13
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Minor Issues, Announcements, General Notices

Issue: Relocate Floating Turbidity Barrier

The pay item for "Relocate Floating Turbidity Barrier" was removed from Section 104 of the specifications to be consistent with 104-9 Method of Measurement: "the quantity of floating turbidity barrier... will be the total length...whether materials are new, used, or relocated from a previous installation on the project."

Designers should update quantities for "Floating Turbidity Barrier" to reflect the work to be completed, including any quantity previously included under "relocate".

Issue: Contact Database- BOE Registration

The contact database is a "self service" area where FDOT, Consultants and others can register for information pertinent to their jobs. This will replace several smaller "contact databases" that are maintained by individual offices. User-ids are the email address one registers with and the passwords are set by the individuals when registering. They never expire. There is no cost associated with this service.

The Basis of Estimates will begin using the Contact Database for notices in 2007. Registered BOE users (those who registered on the Estimates Office web page) will continue to receive notices through June 2007 You will NOT automatically be registered for the Contact Database. Please visit the FDOT Contact Database located online at <http://www.dot.state.fl.us/projectmanagementoffice/contactdatabase.htm>

Issue: Highway Advisory Radio and Safety Warning Transmitter

History: Highway Advisory Radio (HAR) and Safety Warning Transmitter (SWT) were used on projects to inform motorists of work zone information by tuning into a station on the radio or receiving a message on the radar detectors. Both items are now considered obsolete with the implementation of the Florida 511 Travel Information System. Work zone information such as, notice of lane closures, reasons for delays, etc. are currently conveyed to the traveling public by calling 511 and/or by using changeable message signs. Motorists are better informed with real time information of what to expect while driving through the work zone.

Implementation Plan

Central Office Design: The Plans Preparation Manual will be updated to reflect the appropriate changes.

Central Office Estimates: Coordinate with the Districts to identify the projects with these items currently loaded in TRANSPORT thru the June 30, 2007 letting.

Permanently block the following pay items today:

- 102-150-3 Safety Warning Transmitter (SWT), ED**
- 102-150-4 Highway Advisory Radio (HAR), ED**

District Design: Remove appropriate pay items effective today.

District Construction: On current construction projects, the HAR and SWT are not components of the newly implemented Motorist Awareness System (MAS), Index 670. Do not use these items if called for in the plans as part of a MAS setup. This will convey a consistent, statewide MAS setup to the traveling public.

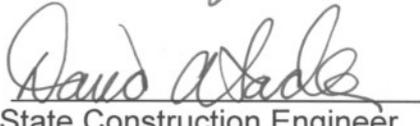
Specifications: Specifications will be updated for the July 2007 letting.

Contact Person(s): Cheryl Adams, Design 850-414-4327
Stefanie Maxwell, Construction, 850-414-4314

Approved: Duane F. Brautigam  Date 01/05/07
State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
State Estimates Engineer

Approved: David O'Hagan  Date 1/3/07
State Roadway Design Engineer

Approved: David Sadler  Date 01/05/07
State Construction Engineer

Issue: Mowing

History: Changes were implemented for the January 2007 letting. Clarification on the payment for mowing is included in a bulletin and new specification. Please refer to Estimates Office Bulletin 06-01/Roadway Design Office Bulletin 06-11 for details regarding this issue.

<http://www.dot.state.fl.us/rddesign/updates/files/updates.htm>

<http://www.dot.state.fl.us/estimates/Main/MoreEstimates.htm>

Mandatory Revision to the January 2007 Workbook, No. 2 is available at

<http://www.dot.state.fl.us/specificationsoffice>

Implementation Plan:

The following items are currently available:

- 104- 4- Mowing, AC
- 570- 1- A Performance Turf, SY
- 580- 1- A Landscape Complete, LS

District Design: Update plans and Summary of Pay Items on applicable projects beginning with the March 2007 letting.

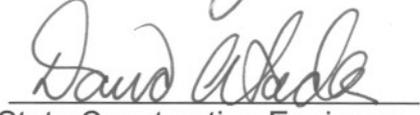
Specifications: Specifications to clarify the intent are available for the March 2007 letting.

Contact Person(s): Phillip "Greg" Davis, 850-414-4170

Approved: Duane F. Brautigam  Date 01/05/07
State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
State Estimates Engineer

Approved: David O'Hagan  Date 1/3/07
State Roadway Design Engineer

Approved: David Sadler  Date 01/05/07
State Construction Engineer

Issue: Asphalt Concrete Friction Course

History: New asphalt specifications are being implemented on all jobs beginning with the July 2007 letting. These changes will allow a new contractor Mixture Acceptance Option for Traffic Levels A and B mixes. This has the potential to lower costs and allow more competition. To implement this specification, it will be necessary for Design to identify on the Typical Sections the Traffic Level for structural Friction Courses FC-9.5 and FC-12.5 and in the pay items.

Refer to Roadway Design Bulletin 06-12 for details.
<http://www.dot.state.fl.us/rddesign/updates/files/DB061127.pdf>

Implementation Plan:

The following items will be blocked, effective June 30, 2007:

337- 7- aa Asphaltic Concrete Friction Course, TN

- aa = type
- 6 (FC-12.5, Rubber)
- 7 (FC-9.5, Rubber)
- 20 (FC-12.5, PG 76-22)
- 21 (FC-9.5, PG 76-22)

The following items will be valid, effective July 1, 2007:

337- 7- aa Asphaltic Concrete Friction Course, TN

- aa = type
- 5 (FC-5, Rubber)
- 22 (FC-5, PG 76-22)
- 30 (Traffic B, FC-9.5, Rubber)
- 31 (Traffic B, FC-12.5, Rubber)
- 32 (Traffic C, FC-9.5, Rubber)
- 33 (Traffic C, FC-12.5, Rubber)
- 40 (Traffic B, FC-9.5, PG 76-22)
- 41 (Traffic B, FC-12.5, PG 76-22)
- 42 (Traffic C, FC-9.5, PG 76-22)
- 43 (Traffic C, FC-12.5, PG 76-22)

NOTE: aa= 5 and 22 were previously valid. No changes were made to these items.

District Design: Update plans and Summary of Pay Items on applicable projects beginning with the July 2007 letting.

Specifications: Specifications will be available for the July 2007 letting.

Contact Person(s): Emmanuel I. Uwaibi, Pavement Design, 850-414-4372

Approved: Duane F. Brautigam


State Specifications Engineer Date 01/05/07

Approved: Phillip "Greg" Davis

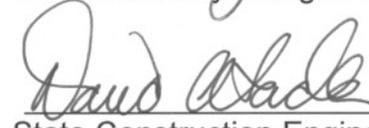

State Estimates Engineer Date 1.4.2007

Approved: David O'Hagan


State Roadway Design Engineer

Date 1/3/07

Approved: David Sadler


State Construction Engineer

Date 01/05/07

Issue: Three-Sided Precast Concrete Culvert

History: The Three-sided Precast Culvert specification Section 407 was revised (January 2007) to require LRFD designs. It further clarified that Three-sided Precast Culverts were not an equivalent substitution for Precast Concrete Box Culverts (Section 410) and only allows substitution of these structures for box culverts on a VECP basis. Plans Preparation Manual, Volume 1, Chapter 33 (January 2007) will provide selection and design criteria for showing three-sided concrete culverts in the contract plans.

The pay item structure was changed to consolidate the number of variable structure sizes that are possible, into more manageable groups. Only use these pay items when a three-sided concrete culvert is to be shown in the contract plans. The item will be plan quantity and requires the additional pay items (0400-X-1 and 0415-1-1) for the component quantities of the cast-in-place wingwalls for both concrete and reinforcing steel quantities.

Implementation Plan:

The following item will be blocked, effective December 31, 2006:

407- 70-AAB Precast Concrete 3 Sided Box Culvert, LF

The following items will be valid, effective January 1, 2007:

407- 1-AB Precast Three-Sided Culvert, LF

A = Span (Total Width of Culvert When Multiple Barrels)

- 1 (up to 20 ft Span)
- 2 (20 ft - 29 ft)
- 3 (30 ft - 39 ft)
- 4 (40 ft - 49 ft)
- 5 (50 ft and greater)

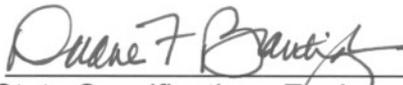
B = Height

- 1 (up to 10 ft)
- 2 (10 ft or greater)

District Design: Update plans and Summary of Pay Items on applicable projects beginning with the July 2007 letting.

Specifications: Specifications are available for the July 2007 letting.

Contact Person(s): Steven Nolan, Structures Design, 850-414-4272

Approved: Duane F. Brautigam  Date 01/05/07
 State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1-4-2007
 State Estimates Engineer

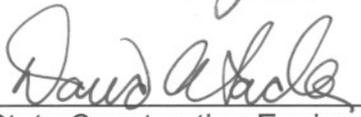
Approved: Lora Hollingsworth  Date 1-5-07
 Interim State Structures Design Engineer

Approved: David O'Hagan


State Roadway Design Engineer

Date 1/3/07

Approved: David Sadler


State Construction Engineer

Date 01/05/07

Issue: Concrete Box Culverts

History: Concrete Box Culvert design standards have been updated to comply with AASHTO LRFD designs. All new concrete box culverts should be designed to meet AASHTO LRFD. A new Design Standard, Index 289 supersedes the current Index 290 (LFD designs only), and is applicable for LRFD designs. No change to the concrete and reinforcing steel component pay items (0400-X-1 and 0415-1-1) where required.

Specification Section 410 was revised (January 2007) for precast box culverts and Design Standards Index No. 291 was issued (January 2007) to standardize the precast joint details and connection to cast-in-place headwalls and wingwalls. Standard precast box culvert designs (Index No. 292) have been developed for the Contractor's use during shop drawing submittals (July 2007). Designers must still show cast-in-place concrete box culverts and quantities in the contract plans. Payment will be made based on plan quantity even when the Contractor elects to use precast box culverts. The precast box culvert pay item will be blocked.

The Design Standards will be available on the web at the following address:
<http://www.dot.state.fl.us/rddesign/rd/2006Interims/2006Interims.htm>

Implementation Plan:

The following item will be blocked, effective July 1, 2007:
410-70-AAB Precast Concrete Box Culvert, LF

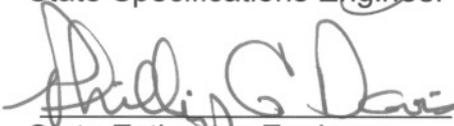
District Design: Update plans and Summary of Pay Items on applicable projects beginning with the July 2007 letting.

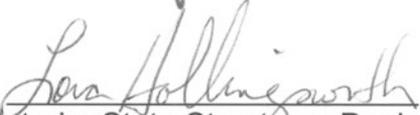
Specifications: Specifications are available for the July 2007 letting

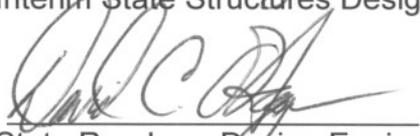
Contact Person(s):

Steven Nolan, Structures Design, 850-414-4272

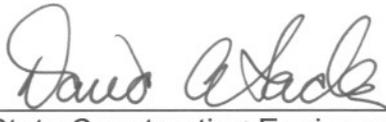
Approved: Duane F. Brautigam  Date 01/05/07
State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
State Estimates Engineer

Approved: Lora Hollingsworth  Date 1-5-07
Interim State Structures Design Engineer

Approved: David O'Hagan  Date 1/30/07
State Roadway Design Engineer

Approved: David Sadler


State Construction Engineer

Date 01/05/07

Issue: Embedded Data Collector

History: Embedded Data Collector (EDC) Technology is the result of a research study by the University of Florida, sponsored by FDOT. The Department has made a commitment to advance EDC technology in prestressed piling by establishing a database. Details are available on the Structures Office web page, Temporary Design Bulletin C06-10, located at <http://www.dot.state.fl.us/structures/Memos/TemporaryDesignBulletinC06-10.pdf>

The pay item for Embedded Data Collector should be used for 18, 24, and 30" test piles, with a quantity of 1 per test pile. Interim Design Standard Index 20602 has been posted on the Roadway Design, 2006 interims webpage. <http://www.dot.state.fl.us/rddesign/rd/2006Interims/20602.pdf>

Implementation Plan:

The following item will be valid, effective January 1, 2007:

455-146- Embedded Data Collector, EA

District Design: Update plans and Summary of Pay Items on applicable projects beginning with the January 2007 letting.

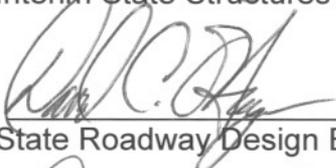
Specifications: Specifications are available for the January 2007 letting.

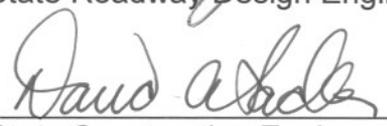
Contact Person(s): Larry Jones, 850-414-4305

Approved: Duane F. Brautigam  Date 01/05/07
State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
State Estimates Engineer

Approved: Lora Hollingsworth  Date 1-5-07
Interim State Structures Design Engineer

Approved: David O'Hagan  Date 1/30/07
State Roadway Design Engineer

Approved: David Sadler  Date 01/05/07
State Construction Engineer

Issue: Plastic Piles and Plastic Lumber for Fender Systems

History: Fender system standards have been developed using plastic components.

A pay item change is required to differentiate the various components of the fender systems.

Note that the pay item for Removal & Disposal of Bridge Fender System (item 110-71-1) is to be used for Rehab Projects only. For new bridges or replacement bridges, payment for the removal of the existing fender system is included in the item for Removal of Existing Structures (item 110-3).

Implementation Plan:

Central Office Design: Standards are available on the web at the following address:

<http://www.dot.state.fl.us/rddesign/rd/2006%20Interims/2006%20Interims.htm>

<http://www.dot.state.fl.us/rddesign/rd/2006Interims/2006Interims.htm>

Central Office Estimates: Establish the following new pay items effective January 2007 letting:

471-1-xxa Fender System Plastic Lumber, MB

0 (non-reinforced)

1 (reinforced)

455-37-xxa Fender System Plastic Composite Piles Fiberglass Structurally Reinforced Composite Piles, LF

1 (13" diameter)

2 (16" diameter)

Permanently block the following pay items on December 31, 2006

470-3-A Marine Lumber Plastic MB

District Design: Update plans and Summary of Pay Items to indicate the use of the new pay items beginning with the January 2007 letting.

Specifications: Specifications are available for the January 2007 letting.

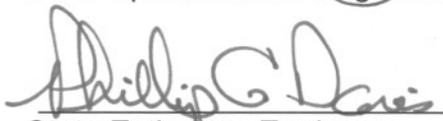
Contact Person(s): Charles Boyd, Structures Design, 850-414-4275

Approved: Duane F. Brautigam


State Specifications Engineer

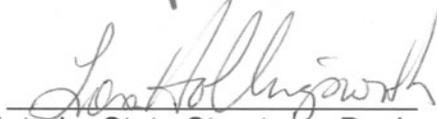
Date 01/05/07

Approved: Phillip "Greg" Davis


State Estimates Engineer

Date 1.4.2007

Approved: Lora Hollingsworth


Interim State Structures Design Engineer

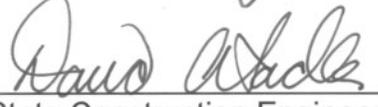
Date 1-5-07

Approved: David O'Hagan


State Roadway Design Engineer

Date 1/3/07

Approved: David Sadler


State Construction Engineer

Date 01/05/07

Issue: Signal Strain Poles and Mast Arms

History: The Department has adopted the AASHTO 2001 Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Since this design specification changes the wind pressure computation on all signal structures, revisions are necessary to the Design Standards, Construction Specifications, Plans Preparation Manual, and Basis of Estimates Manual.

The pole description (type, height, and other details) should be included on the signal plans.

Implementation Plan:

Permanently block the following pay items on December 31, 2007

641- AB-CDD Prestressed Concrete Poles, EA

649- A-BCC Strain Poles, Steel EA

649- 1A-BBB Monotube Assemblies, Steel EA

649-ABC-DEE Mast Arm Assembly, EA

The following items will be valid, effective January 1, 2008:

641- 2- AB Prestressed Concrete Poles, EA

A = Operation

1 (Furnish & Install)

2 (Furnish)

3 (Install) B=0

B = Pole Type (defined in Design Standards)

1 (Type P-II Pedestal)

2 (Type P-II Service Pole)

3 (Type P-III)

4 (Type P-IV)

5 (Type P-V)

6 (Type P-VI)

7 (Type P-VII)

8 (Type P-VIII)

9 (Custom Design)

649- 1- AB Steel Strain Poles, EA

A = Operation

1 (Furnish & Install)

2 (Furnish)

3 (Install) B=0

B = Pole Type (defined in Design Standards)

1 (Type PS-IV)

2 (Type PS - V)

3 (Type PS-VI)

4 (Type PS-VII)

5 (Type PS - VIII)

6 (Type PS-IX)

7 (Type PS - X)

9 (Custom)

649- 3A-BCC Mast Arm Assembly, EA

A = Operation

1 (Furnish & Install)

2 (Furnish)

3 (Install) BCC=000

B = Wind Speed (mph)

1 (150)

2 (130)

3 (110)

CC = Arm Length(s)

For Single Arm, w/o Luminaire

01 (36)

02 (46)

03 (60)

04 (70.5)

05 (78)

For Single Arm w/ Luminaire

06 (36)

07 (46)

08 (60)

09 (70.5)

For Double Arm w/o Luminaire

10 (36-36)

11 (36-46)

12 (36-60)

13 (36-70.5)

14 (46-46)

15 (46-60)

16 (46-70.5)

17 (60-60)

18 (60-70.5)

19 (70.5-70.5)

Custom/Non-Standard Combinations

99= Custom

Central Office Structures Design: A new Volume 9 of the Structures Manual on revisions to the AASHTO design specifications will be posted on the State Structures Design web site in January 2007. Coordinate the revision of structural details in Design Standards Index Nos. 17723, 17725, 17743, 17745 and 17746 to comply with adopted AASHTO Specifications.

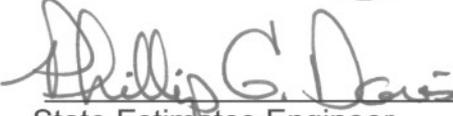
Central Office Roadway Design: Plans Preparation Manual revisions will be published in the January 2007 update. Interim Standard Indexes will be posted in January; revisions will be issued with Jan 2007 Standards Modifications.

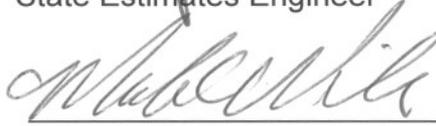
Central Office Specifications: Specifications will be available for the January 2008 letting. Currently approved systems will require QPL resubmission.

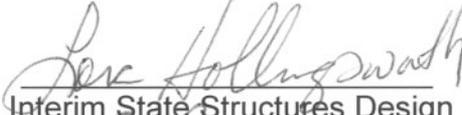
District Design: Update the pay items on plan sheets and summary of quantity sheets in Signalization Plans, effective with the January 2008 letting.

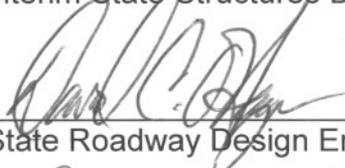
Contact Person(s): Andre Pavlov, Structures Design, 850-414-4293
Chester Henson, Roadway Design, 850-414-4117

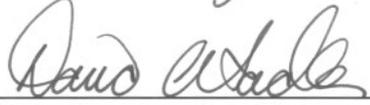
Approved: Duane F. Brautigam  Date 01/05/07
State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
State Estimates Engineer

Approved: Lap Hoang   Date 1-8-07
State Traffic Operations Engineer

Approved: Lora Hollingsworth  Date 1-5-07
Interim State Structures Design Engineer

Approved: David O'Hagan  Date 1/3/07
State Roadway Design Engineer

Approved: David Sadler  Date 01/05/07
State Construction Engineer

Issue: Highway Signs

History: The Department has adopted the AASHTO 2001 Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Since this design specification changes the wind pressure computation on all sign structures, revisions are necessary to the Design Standards, Construction Specifications, Plans Preparation Manual, and Basis of Estimates Manual.

Implementation Plan:

Permanently block the following pay items on June 30, 2007

700- 40- A Single Post Sign, AS

700- 41- AA Multi-Post Sign, AS

700- 46- AB Existing Sign, AS

Block B= 1 to 4 only

The following new pay items will be effective with July 2007 letting:

700- 20- AB Single Post Sign, AS

A = Operation

1 (Furnish & Install)

2 (Furnish)

3 (Install)

4 (Relocate) B=0

6 (Remove) B=0

B = Sign Panel Size, square feet

1 (less than 12)

2 (12 – 20)

9 (Custom)

700- 21- AB Multi-Post Sign, AS

A = Operation

1 (Furnish & Install)

2 (Furnish)

3 (Install) B=0

4 (Relocate) B=0

6 (Remove) B=0

B = Sign Panel Size, square feet

1 (50 or less)

2 (51 to 100)

3 (101 to 150)

4 (151 to 200)

5 (201 to 250)

6 (251 to 300)

7 (over 300)

9 (Custom)

Central Office Structures Design: A new Volume 9 of the Structures Manual on revisions to the AASHTO design specifications will be posted on the State Structures Design web site in

January of 2007. Coordinate the revision of structural details in Design Standards Index Nos. 11200, 11300, 11310, 11320, 11860, 11861, 11862, 11863, 11864 and 11865 to comply with adopted AASHTO Specifications.

Central Office Roadway Design: Plans Preparation Manual revisions will be published in January 2007 update. Interim Standard Indexes will be posted in January and revisions will be issued with Jan 2007 Standards Modifications.

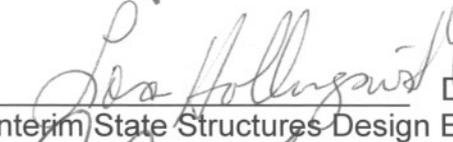
Central Office Specifications: Specifications will be available for the July 2007 letting.

District Design: Update the pay items on plan sheets and summary of quantity sheets in Signing and Pavement Marking Plans, effective with the July 2007 letting.

Contact Person(s): Andre Pavlov, Structures Design, 850-414-4293
Chester Henson, Roadway Design, 850-414-4117

Approved: Duane F. Brautigam  Date 01/05/07
State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
State Estimates Engineer

Approved: Lora Hollingsworth  Date 1-5-07
Interim State Structures Design Engineer

Approved: David O'Hagan  Date 1/3/07
State Roadway Design Engineer

Approved: David Sadler  Date 01/05/07
State Construction Engineer

Issue: Highway Signs

History: The Department has adopted the AASHTO 2001 Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Since this design specification changes the wind pressure computation on all sign structures, revisions are necessary to the Design Standards, Construction Specifications, Plans Preparation Manual, and Basis of Estimates Manual.

Implementation Plan:

Permanently block the following pay items on December 31, 2007

- 700- 42-AAB Overhead Truss Span Sign, AS**
- 700- 43- AB Overhead Truss Cantilever Sign, AS**
- 700- 44-AAB Lighted Overhead Truss Span Sign, AS**
- 700- 45- AB Lighted Overhead Truss Cantilever Sign, AS**

The following new pay items will be effective with January 2008 letting:

700- 22-ABC Overhead Truss Span Sign, AS

A = Operation

- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install) BC=00
- 4 (Relocate) BC=00
- 6 (Remove) BC=00

B = Truss Span Length (feet)

- 1 (50 or Less)
- 2 (51 - 100)
- 3 (101 - 150)
- 4 (151 - 200)
- 5 (Greater than 200)
- 9 (Custom) C=9

C = Sign Panel Size (square feet)

- 1 (300 or Less)
- 2 (301 - 500)
- 3 (501 - 700)
- 4 (Greater than 700)
- 9 (Custom) B=9

700- 23- ABC Overhead Truss Cantilever Sign, AS

A = Operation

- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install) BC=00
- 4 (Relocate) BC=00
- 6 (Remove) BC=00

B = Truss Cantilever Length (feet)

- 1 (30 or Less)
- 2 (31 - 40)

- 3 (41 - 50)
 - 4 (over 50)
 - 9 (Custom) C=9
- C = Sign Panel Size (square feet)
- 1 (100 or Less)
 - 2 (101 - 200)
 - 3 (201 - 300)
 - 4 (Greater than 300)
 - 9 (Custom) B=9

Central Office Structures Design: A new Volume 9 of the Structures Manual on revisions to the AASHTO design specifications will be posted on the State Structures Design web site in January of 2007. Coordinate the revision of structural details in Design Standards Index Nos. 11200, 11300, 11310, 11320, 11860, 11861, 11862, 11863, 11864 and 11865 to comply with adopted AASHTO Specifications.

Central Office Roadway Design: Plans Preparation Manual revisions will be published in January 2007 update. Interim Standard Indexes will be posted in January and revisions will be issued with January 2007 Standards Modifications. New pay items have been created for new designs.

Central Office Specifications: Specifications will be available for the January 2008 letting.

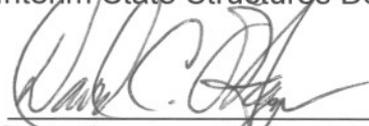
District Design: Update the pay items on plan sheets and summary of quantity sheets in Signing and Pavement Marking Plans, effective with the January 2008 letting.

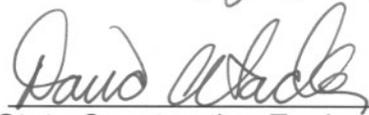
Contact Person(s): Andre Pavlov, Structures Design, 850-414-4293
 Chester Henson, Roadway Design, 850-414-4117

Approved: Duane F. Brautigam  Date 01/05/07
 State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
 State Estimates Engineer

Approved: Lora Hollingsworth  Date 1-5-07
 Interim State Structures Design Engineer

Approved: David O'Hagan  Date 1/3/07
 State Roadway Design Engineer

Approved: David Sadler  Date 01/05/07
 State Construction Engineer

Issue: Light Poles

History: The Department has adopted the AASHTO 2001 Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Since this design specification changes the wind pressure computation on all lightings structures, revisions are necessary to the Design Standards, Construction Specifications, Plans Preparation Manual, and Basis of Estimates Manual. A new Design Standard for High Mast Light Poles is also being developed.

Implementation Plan:

Permanently block the following pay items on December 31, 2007

- 715- 4A-BCC Aluminum Light Pole, Complete, EA**
- 715-5AB-CDD Light Pole Complete, Special Design, EA**
- 715-19A-BBB High Mast Light Pole, Complete, EA**

The following new pay items will be effective with January 2008 letting:

715- 4-ABC Aluminum Light Pole, Complete, EA

- A = Operation
 - 1 (Furnish & Install)
 - 2 (Furnish)
 - 3 (Install) BC=00
 - 4 (Relocate) BC=00
 - 6 (Remove) BC=00
- B= Wind Speed (mph)
 - 1 (150)
 - 2 (130)
 - 3 (110)
- C= Pole Height (feet)
 - 1 (40)
 - 2 (45)
 - 3 (50)
 - 9 (Custom)

715-19-ABC High Mast Light Pole, Complete, EA

- A = Operation
 - 1 (Furnish & Install)
 - 2 (Furnish)
 - 3 (Install) BC=00
 - 6 (Remove) BC=00
- B= Wind Speed (mph)
 - 1 (150)
 - 2 (130)
 - 3 (110)
- C = Pole Height (feet)
 - 1 (80)
 - 2 (100)
 - 3 (120)
 - 9 (Custom)

Central Office Structures Design: A new Volume 9 of the Structures Manual on revisions to the AASHTO design specifications will be posted on the State Structures Design web site in January of 2007. Coordinate the revision of structural details in Design Standards Index Nos. 17501, 17502, and 17515 to comply with adopted AASHTO Specifications.

Central Office Roadway Design: Plans Preparation Manual revisions will be published in January 2007 update. Interim Standard Indexes will be posted in January and revisions will be issued with January 2007 Standards Modifications. New pay items have been created for new designs.

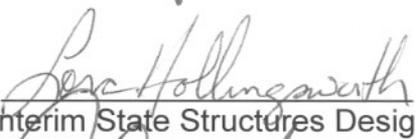
Central Office Specifications: Specification changes will be available for the January 2008 letting. Approved alternate foundations will be listed on the QPL. Currently approved break away base will be removed from the QPL. Currently approved systems will require QPL resubmission.

District Design: Update the Proposal Summary of Pay Items, as well as the pay items on summary of quantity sheets in Lighting Plans, effective with the January 2008 letting.

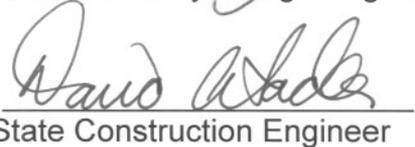
Contact Person(s): Andre Pavlov, Structures Design, 850-414-4293
Chester Henson, Roadway Design, 850-414-4117

Approved: Duane F. Brautigam  Date 01/05/07
State Specifications Engineer

Approved: Phillip "Greg" Davis  Date 1.4.2007
State Estimates Engineer

Approved: Lora Hollingsworth  Date 1-5-07
Interim State Structures Design Engineer

Approved: David O'Hagan  Date 1/3/07
State Roadway Design Engineer

Approved: David Sadler  Date 01/05/07
State Construction Engineer

Issue: ITS

History: Special Provisions for ITS components implemented in the July 2006 letting were moved to Supplemental Specifications effective January 2007 letting. The specifications describe the requirements to be met by contractors in the construction of Intelligent Transportation Systems, as well as the requirements to be met by manufacturers, suppliers, and contractors who submit ITS equipment of materials for inclusion on the Approved Product List (APL)

The ITS category in TRNS*PORT is 550. All ITS work must be loaded into the ITS 550 category.

Volume 1, Chapter 7 of the Plans Preparation Manual (PPM) will be updated to reflect these changes. Refer to the Specification for additional information. Note that the field cabinet pay item should NOT be used in cases where the field cabinet is incidental to another ITS installation.

Implementation Plan:

The following item will be blocked, effective June 30, 2007:

- 785- 2- AB ITS Cabinet, EA**
- 785- 3- AB ITS Equipment Shelter, EA**

The following items will be valid, effective July 1, 2007:

781- 3-ABC ITS Road Weather Information System, EA

A= Operation

- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install)
- 4 (Relocate)
- 5 (Adjust/Modify)
- 6 (Remove & Dispose)

B= Equipment Type

- 1 (Field Hardware)
- 2 (Central Monitoring/Processing Equipment)

C= Sensor Mounting

- 1 (New Tower Included)
- 2 (Mounted to Existing Structure)

785- 2-ABC ITS Field Cabinet, EA

A= Operation

- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install)
- 4 (Relocate)
- 5 (Adjust/Modify)
- 6 (Remove & Dispose)

B= Type

- 1 (Type 336)
- 2 (Type 336 w/ sunshields)
- 3 (Type 336S)
- 4 (Type 336S w/ sunshields)
- 5 (Type 332)
- 6 (Type 332 w/ sunshields)
- 9 (Special)

C= Mounting

- 1 (Pole Mount)
- 2 (Ground Mount)

785- 3-ABC ITS Equipment Shelter, EA

A= Operation

- 1 (Furnish & Install)
- 2 (Furnish)
- 3 (Install)
- 4 (Relocate)
- 5 (Adjust/Modify)
- 6 (Remove & Dispose)

B= Size (from exterior dimensions)

- 1 (up to 120 ft²)
- 2 (121 to 170 ft²)
- 3 (171 to 250 ft²)
- 9 (Special)

C= Interior Ceiling Height

- 1 (8 ft)
- 2 (9 ft)

District Design: Update plans and Summary of Pay Items on applicable projects beginning with the July 2007 letting.

Specifications: Specifications will be available for the July 2007 letting.

Contact Person(s): Gene Glotzbach, 850-410-5616

Approved: Duane F. Brautigam


State Specifications Engineer

Date 01/05/07

Approved: Phillip "Greg" Davis

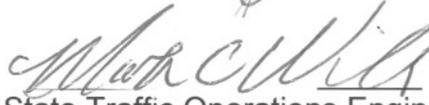

State Estimates Engineer

Date 1.4.2007

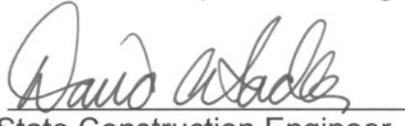
Approved: David O'Hagan


State Roadway Design Engineer Date 1/3/07

Approved: Lap Hoang
for


State Traffic Operations Engineer Date 1/9/07

Approved: David Sadler


State Construction Engineer Date 01/05/07