

**DATE:** July 1, 2000

**TO:** Basis of Estimate Handbook Holders

**FROM:** Cheryl Adams, CES Coordinator

**COPY:** Ken Morefield, Freddie Simmons, Bill Albaugh, Greg Xanders, Lex Chance, William Nickas, Duane Brautigam, Billy Hattaway, District Design Engineers, District Project Management Engineers, District Structures Design Engineers, District Construction Engineers, District Traffic Operations Engineers and District Specifications Engineers

**SUBJECT:** **2000 Mid Year Update- Basis of Estimate Handbook Summary of Major Changes**

A Special Update to the 2000 Edition of the Basis of Estimates Handbook detailing the Summary of Major Changes was mailed out to registered holders of the Plans Preparation Manual on April 14, 2000 along with an update to the Plans Preparation Manual. A copy of that Special Update is included in this update of the Basis of Estimates Handbook.

The Coordination Team has made recommendations on the implementation of changes to pay items and specifications that have been developed within the last three months. The implementation plan for each issue has been approved by the appropriate office. A detailed description on each of these changes and their implementation dates is attached. The following is a summary of the issues addressed in this update:

Group	Issue Description	Effective Letting	Page No.
Pipe	Pipe Liner	January 2001	3

We have discovered an error with the prestressed concrete pole pay items that has been corrected as follows:

Basis of Estimate 2000 Edition - Section 4

~~641-1ab-xcc Prestressed Concrete Poles EA~~  
~~2641-1ab-xcc Prestressed Concrete Poles EA~~  
 This item should not be used; it was created in error.

641-xab-cdd ~~Concrete Strain Poles~~ Prestressed Concrete Poles EA  
 2641-xab-xcc ~~Concrete Strain Poles~~ Prestressed Concrete Poles EA  
 This item is correct, only the name has changed; it will not be blocked.

Special Update – 2000 Edition Letter dated April 14, 2000 - Page 15

~~641-1ab-xcc Prestressed Concrete Poles EA~~  
~~2641-1ab-xcc Prestressed Concrete Poles EA~~  
 b= 7 (Type N-VIII)  
 This item should not be used; it was created in error.

641-xab-cdd ~~Concrete Strain Poles~~ Prestressed Concrete Poles EA  
2641-xab-xcc ~~Concrete Strain Poles~~ Prestressed Concrete Poles EA  
b= 7 (Type N-VIII)

This is the correct new pay item number.

### **Additional Information for the Designer:**

The Structures Office is working on several changes that are targeted to be effective with the July 2001 letting. Listed below is a syllabus of the proposed changes. Detailed information will be placed on the internet/infonet in the fall on the Estimates Web Page. (<http://www.dot.state.fl.us/estimates/>)

Training on these changes will be provided in the Fall Update Training at locations around the State.

### **Monotube Signal Structures**

Standards are being developed to provide standard design and details for typical configurations of monotube structures. New pay items will be generated and a specification written. Procedures for use will be similar to procedures for using the new mast arm standards.

### **Steel Strain Poles**

Standards are being developed to provide standard design and details for typical steel strain poles. New pay items will be generated and a specification written. Procedures for use will be similar to procedures for using the new mast arm standards.

### **Aluminum Roadway Light Poles**

Standards are being developed to provide standard design and details for typical configurations of light poles up to 50' in height. New pay items will be generated and the existing specification, Section 715, revised. Procedures for use will be similar to procedures for using the new mast arm standards.

### **42" F-Shape Traffic Barrier**

Standards are being developed to provide standard design and details for a 42" F-shape traffic barrier that meets TL-5 criteria. A new pay item will be generated.

### **Pedestrian Handrails**

Standards are being developed to provide standard design and details for typical configurations of pedestrian handrails to be used when the drop-off being shielded exceeds 30". This rail is not to be used on bridge structures but may be used on wall approaches. Materials used to construct the rail will include steel, aluminum and other proprietary materials. Various rail materials may be restricted or left as options, based upon project requirements. New pay items will be generated and a specification written.

*Effective with the January 2001 letting*

**Issue:** *Pipe Liner*

**History:** Pipe liners are products used to rehabilitate existing pipe by forming a lining on the host pipes interior surface, thereby allowing a debilitated pipe to regain strength and performance capabilities. The specifications and pay items has been updated to include current industry practices.

***Implementation Plan:***

**Central Office Design:**

Establish the following new pay item number July, 2000:

431-1-abb	Pipe Liner	LF
2431-1-abb	<i>Pipe Liner</i>	<i>MI</i>

a = 1 = Optional Material

bb = Size

Standard Round Pipe Sizes (Code the same as 430-710-xaa)  
*Standard Round Pipe Sizes (Code the same as 2430-710-xaa)*

Permanent Block the following pay items December 31, 2000

431-70-abb	Pipe Liner	LF
2431-70-abb	<i>Pipe Liner</i>	<i>MI</i>

**District Design:** Update plans and CES to indicate the new pay items on all projects beginning with the January 2001 letting.

**Specifications:** Specifications will be available for the January 2001 letting.

**Approved:** Shawn McLemore \_\_\_\_\_ Date \_\_\_\_\_  
State Drainage Engineer

**Approved:** Billy L. Hattaway \_\_\_\_\_ Date \_\_\_\_\_  
State Roadway Design Engineer

**Approved:** Lex Chance \_\_\_\_\_ Date \_\_\_\_\_  
State Estimates Engineer

**Approved:** Duane F. Brautigam \_\_\_\_\_ Date \_\_\_\_\_  
State Specifications Engineer