

DATE: October 1, 2004

TO: Basis of Estimate Handbook Users

FROM: David Duncan

E-COPY: Freddie Simmons, Bill Albaugh, Robert Greer, Phillip “Greg” Davis, William Nickas, Duane Brautigam, Brian Blanchard, Sharon Holmes, Ananth Prasad, Bruce Dietrich, District Design Engineers, District Project Management Engineers, District Structures Design Engineers, District Construction Engineers, District Pavement Design Engineers, and District Specifications Engineers

SUBJECT: **2005 Basis of Estimate Handbook
Electronic Edition - 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 and concurred to by the Directors of both the Office of Design, and Highway Operations. 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:

Group	Minor Changes/Updates/Corrections	Effective Letting	Page No.
Estimates	TRNS*PORT Structures Header Information	As soon as practical	2
Roadway	Patterned/Textured Pavement	As soon as practical	2
Structures	Movable Bridges	July 2005	2

Group	Issue Description	Effective Letting	Page No.
Structures	Bridge Deck Grooving and Planing	January 2005	3 - 4
Roadway	Detectable Warning on Walking Surface	July 2005	5 - 6

Minor Changes/Updates/Corrections

Issue: TRNS*PORT Structures Header Information

Due to programming changes for the Designer Interface, the Structures Category will require that the header information be updated prior to loading pay items. Additional guidance for completing this information will be included in Chapter 9 of the BOE.

Issue: Patterned/Textured Pavement

The specifications for patterned/textured pavement (pay item 523- 1- A) continue to undergo changes with input from manufacturers, the State Materials Lab, and several districts. To request a copy of the current developmental specification, contact your District Specifications Office.

Issue: Movable Bridges

History: The Movable Bridge Section of the State Structures Design Office has made some changes to the specifications and pay items for movable bridges. Due to the unique, technical nature of these structures, the implemented specifications for Sections 465, 508, and 512 will be deleted from the Specifications Book and Workbook effective with the July 2005 letting. When needed, Technical Special Provisions must be prepared for project specific conditions and reviewed by the State Structures Design Office prior to incorporation into the specifications package. Contact the Movable Bridge Section of the State Structures Design Office for guidance.

The corresponding pay items have been reduced to: Mechanical, Electrical, and Control House. Each item will be paid Lump Sum. Note: No changes have been made to the steel and/or concrete items. The designer's estimate, used for budgetary purposes, should detail the major components and estimated prices.

Effective with the January 2005 Letting

Issue: *Bridge Deck Grooving and Planing*

History: Pay item 400-7 is being changed from Bridge Floor Grooving to Bridge Deck Grooving, to be consistent with current terminology. It will continue to be used on bridge decks less than 8 ½”.

A new pay item, 400-9 has been created for Bridge Deck Grooving and Planing. Specifications have been modified to require grooving and planing for all decks 8 ½” or greater.

Implementation Plan:

Central Office Design:

Establish the following new pay item October 2004:

400-9	Bridge Deck Grooving and Planing (Deck Thickness 8 ½“ or Greater)	SY
2400-9	<i>Bridge Deck Grooving and Planing (Deck Thickness 8 ½“ or Greater)</i>	<i>M2</i>

Establish the following description change January 2005:

400-7	Bridge Floor Deck Grooving	SY
2400-7	<i>Bridge Floor Deck Grooving</i>	<i>M2</i>

District Design: For projects let January thru July 2005, District Estimates and District Structures Design Engineers have been requested to identify and coordinate revisions as necessary.

For projects let July 2005 and later, Designers should identify structures with 8.5” or greater and update plans and Trns*port files as necessary.

Specifications: Specifications will be available for the January 2005 letting.

Structures Contact Person: Robert Robertson 850-414-4267 SC 994-4267

Approved: William N. Nickas _____ Date _____
State Structures Design Engineer

Approved: Brian Blanchard _____ Date _____
State Roadway Design Engineer

Approved: Ananth Prasad _____ Date _____
Director, Office of Construction

Approved: Phillip “Greg” Davis _____ Date _____
State Estimates Engineer

Approved: Duane F. Brautigam _____ Date _____
State Specifications Engineer

Approved: Sharon Holmes _____ Date _____
Director, Office of Maintenance

Effective with the July 2005 Letting

Issue: *Detectable Warning on Walking Surface*

History: A specification has been established for use on new and existing curb ramps and flush sidewalk transitions in order to comply with ADA requirements. Detectable warnings that are applied to newly constructed curb ramps are included in the cost of the concrete sidewalk. Detectable warnings that are applied to existing curb ramps are paid for as Detectable Warning on Walking Surface (Retrofit). The item is intended to coordinate with Design Standards Index 304 and Index 310.

On existing facilities, verify that sidewalk transitions and curb ramps meet all requirements of the ADA for these “accessible routes” (36” min. width, 1:12 max. running slope, 1:50 max. cross slope, 48” min. top landing, etc.) If all of these requirements are not met, the facility must be demolished and rebuilt to meet the above requirements, including the detectable warning.

Implementation Plan:

Central Office Design:

Establish the following new pay item July 2005:

527-1 Detectable Warning on Walking Surface (Retrofit)	EA
2527-1 Detectable Warning on Walking Surface (Retrofit)	EA

Permanently block the following pay items on June 30, 2005

903-527-1	Applied Detectable Warning Device on Curb Ramps (Retrofit)	SF
2903-527-1	Applied Detectable Warning Device on Curb Ramps (Retrofit)	SF

District Design: Update plans and Trns*port files on applicable projects beginning with the July 2005 Letting.

Specifications: Developmental Specifications are currently available for use prior to July 2005 lettings. Contact the District Specifications Office for coordination.

Structures Contact Person: Dean Perkins 850-414-4359 SC 994-4359

Approved: William N. Nickas _____ Date _____
State Structures Design Engineer

Approved: Brian Blanchard _____ Date _____
State Roadway Design Engineer

Approved: Ananth Prasad _____ Date _____
Director, Office of Construction

Approved: Phillip “Greg” Davis _____ Date _____
State Estimates Engineer

Approved: Duane F. Brautigam _____ Date _____
State Specifications Engineer

Approved: Sharon Holmes _____ Date _____
Director, Office of Maintenance