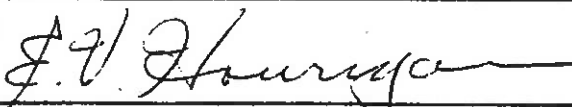


TO: MAIN OFFICE AND REGIONS SUPERSEDED BY EB 99-025 EFFECTIVE 3/17/1999	<h2 style="text-align: center;">ENGINEERING INSTRUCTION</h2> <p style="text-align: center;">NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p> SUBJECT: Items 15567.91 thru 15567.95 and Items 1564.91 thru Items 15641.91 thru 15641.95 Subject Code: 7.27-1-567 and 727-1-641
Distribution: <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Regions <input type="checkbox"/> Special	Code: <u>EI 77-7</u>
APPROVED:  <hr/> E. V. Hourigan, Deputy Chief Engineer (Structures)	Date: <u>2/14/77</u> Supersedes:

Attached to this Engineering Instruction are copies of the following specifications:

1. Item 15567.91 - Vertical Adjustment of Joint System - 1 through
 Item 15567.95 - Vertical Adjustment of Joint System - 5
2. Item 15641.91 - Vertical Adjustment of Bridge Drainage Devices - 1 through
 Item 15641.95 - Vertical Adjustment of Bridge Drainage Devices - 5

These specifications are to be used when it is necessary to adjust the level of joint systems, or drainage devices (scuppers, etc.), to meet a new profile elevation.

The numbers following each title are for convenience. Should there be more than one type of joint system, or drainage device, which would require different methods of adjustment, then separate title numbers should be used.

The intent of these specifications is to allow the designer to choose a different specification for each different type of joint system, or drainage device, which occur in the same contract. This means that when the type, or style of joint system, or drainage device, changes, or the difficulty of work changes, the pay item should change. It will be entirely the responsibility of the designer to establish as many types (up to 5) as he decides are necessary. Normally the designer should use as few as possible. The plans must include details of the necessary work for each type used.

The specifications will be stocked as a Main Office insert.

- ITEM 15641.91 - VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 1
- ITEM 15641.92 - VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 2
- ITEM 15641.93 - VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 3
- ITEM 15641.94 - VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 4
- ITEM 15641.95 - VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 5

DESCRIPTION

This work shall consist of adjusting the elevation of bridge drainage devices to meet proposed finished elevations in the manner indicated on the Contract Plans.

MATERIALS

Materials shall meet the following requirements:

<u>Material</u>	<u>Requirement</u>
Structural Steel	ASTM A36
Nuts, Bolts, and Washers	ASTM A307
Galvanized Coatings and Repair Methods	Subsection 719-01

CONSTRUCTION DETAILS

All steel materials, including nuts, bolts, and washers, used as a part of this work, shall be galvanized in accordance with Subsection 719-01. Any galvanized surface, either existing or installed as a part of this work, which is damaged by welding or abrasion, shall be repaired in accordance with Subsection 719-01.

All welding shall be done in accordance with the applicable requirements of the New York State Steel Construction Manual.

The Contractor shall take suitable precautions to prevent damage to materials designated to remain-in-place. Damage to such material, due to the Contractor's operations, shall be repaired or the damaged material replaced, as determined by the Engineer.

Dimensions shown on the Plans shall be verified by the Contractor and any necessary changes approved by the Engineer prior to construction of any needed fabrications.

METHOD OF MEASUREMENT

The work will be measured as each bridge drainage device as defined by the Contract Plans which has had its elevation adjusted in accordance with the Contract Plans.

ITEM	<u>15641.91</u>	- VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 1 (CONTD)
ITEM	<u>15641.92</u>	- VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 2 "
ITEM	<u>15641.93</u>	- VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 3 "
ITEM	<u>15641.94</u>	- VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 4 "
ITEM	<u>15641.95</u>	- VERTICAL ADJUSTMENT OF BRIDGE DRAINAGE DEVICES - 5 (CONTD)

BASIS OF PAYMENT

The unit price bid for each bridge drainage device adjusted shall include the cost of all labor, materials, and equipment necessary to complete the work.

No payment will be made for work done to repair damage due to the Contractor's operations, nor for any material supplied as replacement material made necessary due to damage attributable to the Contractor's operations.

12/27/76

- ITEM 15567.91 - VERTICAL ADJUSTMENT OF JOINT SYSTEM - 1
- ITEM 15567.92 - VERTICAL ADJUSTMENT OF JOINT SYSTEM - 2
- ITEM 15567.93 - VERTICAL ADJUSTMENT OF JOINT SYSTEM - 3
- ITEM 15567.94 - VERTICAL ADJUSTMENT OF JOINT SYSTEM - 4
- ITEM 15567.95 - VERTICAL ADJUSTMENT OF JOINT SYSTEM - 5

DESCRIPTION:

The work shall consist of adjusting the elevation(s) of a joint system(s) in the manner indicated on the Contract Plans.

In order to perform the work, it may be necessary to remove structural concrete. Structural concrete removal, if performed, shall be done under its respective item.

MATERIALS:

Materials shall meet the following requirements:

<u>Material</u>	<u>Requirement</u>
Structural Steel	ASTM A588 or A242
Bolts, Nuts and Washers	ASTM A325, Type III
Preformed Elastic Joint Sealer	Subsection 705-09

CONSTRUCTION DETAILS:

Methods of bolt removal are at the Contractor's option, subject to the approval of the Engineer.

All welding shall be done in accordance with the applicable requirements of the New York State Steel Construction Manual.

Preformed elastic joint sealer, where required, shall be installed in accordance with the Contract Plans.

The Contractor shall take suitable precautions to prevent damage to materials designated to remain in place. Damage to such material, due to the Contractor's operations, shall be repaired, or the damaged material replaced, as determined by the Engineer.

METHOD OF MEASUREMENT:

The work will be measured as the number of linear feet of joint system which has had its elevations adjusted in the manner indicated on the Contract Plans.

Measurement will be taken only between curb lines. No measurements will be taken across sidewalks, or raised medians. In the event that curbs are not present, measurement will be taken only to those points where the elevations have actually been adjusted.

BASIS OF PAYMENT:

The unit price bid per linear foot shall include the cost of all labor, materials and equipment necessary to complete the work.

No payment will be made for work done to repair damage due to the Contractor's operations, nor for any material supplied as replacement material made necessary due to damage attributable to the Contractor's operations.

Any concrete removal or replacement will be paid for under the appropriate items.