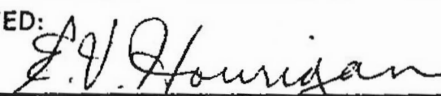


TO:		ENGINEERING INSTRUCTION	
SUPERSEDED BY EB 99-025 EFFECTIVE 3/17/99		NEW YORK STATE DEPARTMENT OF TRANSPORTATION	
		SUBJECT: BRIDGE DESIGN MANUAL, DESIGN CRITERIA FOR BRIDGES. ITEM 15565.4302- BRIDGE BEARING RESTORATION. Subject Code: 7.35-6; 7.27-1-565	
Distribution: 31 <input checked="" type="checkbox"/> Main Office 33 <input checked="" type="checkbox"/> Regions 34 <input checked="" type="checkbox"/> Special		Code: 84 - 51 Date: Oct. 10, 1984 Supersedes: E.I. 84-33	
APPROVED:  E.V. HOURIGAN, Deputy Chief Engineer (Structures)			

Attached to this instruction is a copy of Item 15565.4302 - BRIDGE BEARING RESTORATION. This item replaces Item 15565.4301 of the same title.

Item 15565.4301 was issued by E.I. 84-33 on June 22, 1984. Subsequent to the issuance, this office received notice from the Materials Bureau (August 17, 1984) that a specific lubricant, for bearing restoration, should be required.

In accordance with the Materials Bureau's directive, Item 15565.4302 is being issued to specify the necessary lubricant. Item 15565.4301 will no longer apply.

This issuance becomes effective with the letting of February 21, 1985 (P.S.& E. November 29, 1984).

PREL.	FINAL
DESIGN	LANDSCAPE
RECEIVED FACILITIES DESIGN DIVISION OCT 17 1984	
CIRC.	FILE

ITEM 15565.4302 - BRIDGE BEARING RESTORATION

DESCRIPTION. The work shall consist of restoring bearings designated for restoration by the plans, or by the Engineer.

Restoration of bearings shall consist of dismantling, removal, repairing, unfreezing, replacing designated parts, cleaning, lubricating, and painting, if indicated by the Contract Documents, or ordered by the Engineer.

MATERIALS.

Mill and Shop Inspection. All new steel shall be mill and shop inspected as required by the SCM.

Fabrication Details. The requirements of subsection 565-2.02 shall apply to all fabrication done for bearing restoration unless subsection 565-2.02 clearly does not apply to the bearing being restored.

Lubricants. The lubricant shall be multi-purpose automotive grease conforming to SAE J310 designation MPG.

Only fresh lubricants arriving at the work site, in the manufacturer's unopened containers shall be used to lubricate the bearings.

Bearing Pads. New bearing pads shall comply with the requirements of 728-01, 728-02, 728-03, or 728-05. Only one type of bearing pad shall be installed on any one structure.

Protective Coatings. The requirements of subsection 565-2.04 shall apply.

Miscellaneous Steel. Anchor bolts, nuts and washers shall conform to the requirements given on the plans.

CONSTRUCTION DETAILS.

Drawings. Drawings shall be required for all newly fabricated parts. The requirements of the SCM shall apply.

Repair. Bearings shall be repaired in the manner indicated on the plans.

All machine finished surfaces, shall be lubricated. Stainless steel plates shall not be lubricated. Polytetrafluoroethylene surfaces shall not be lubricated.

Reinstallation. If the bearing has been removed and requires reinstallation, the following subsections shall apply:

565-3.02	565-3.06
565-3.03	565-3.07
565-3.04	565-3.08
565-3.05	

ITEM 15565.4302 - BRIDGE BEARING RESTORATION

If the bearing is of a type that the requirements of subsection 565-3.05 will not apply, then the bearing shall be reinstalled in the manner indicated on the plans.

Painting. New fabricated steel parts shall be painted in accordance with the requirements of subsection 565-2.04E.

Existing steel parts shall be cleaned, primed and painted in accordance with the requirements of subsections 570-3.02 and 570-3.03.

METHOD OF MEASUREMENT. The work will be measured as each bearing restored.

BASIS OF PAYMENT. The unit price bid for each bearing shall include the cost of all labor, material and equipment necessary to complete the work.