

**ITEM 516 - RESET BEARING, AS PER PLAN**

THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO PROPERLY ALIGN ROTATED AND /OR FLOATING EXISTING BRIDGE BEARINGS PER 516.07, INCLUDING REMOVAL OF UPPER BEARING PLATE WELDS TO THE EXISTING BEAM. REMOVAL OF THE ENTIRE BEARING WHERE NECESSARY TO PERFORM WORK, PROPER STORAGE OF THE BEARINGS UNTIL REINSTALLATION, REPLACEMENT OF ANY DAMAGED SHEET LEAD WITH PREFORMED BEARING PADS (711.21), INSTALLATION OF ANY NECESSARY STEEL SHIMS OF THE SAME SIZE AS THE BEARING TO PROVIDE A SNUG FIT, AND REPAIR OF DAMAGED PAINT ACCORDING TO ITEM 514.22. ALL WORK SHALL BE TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT BID FOR ITEM 516-RESET BEARING, AS PER PLAN.

**ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPER-STRUCTURE, AS PER PLAN**

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS.

SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH CMS 501.05.

IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR THE DISTANCE OF THE SEPARATION IN ACCORDANCE WITH CMS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE BEARINGS SHALL BE FULLY SEATED AT ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS.

THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE BID PER LUMP SUM FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

**ITEM 202 - PORTION OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS LISTED IN THE C&MS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE EXISTING ELASTOMERIC STRIP SEAL GLAND, CARE SHALL BE TAKEN THAT THE REMOVAL IS DONE WITHOUT DOING ANY DAMAGE TO THE EXISTING ANCHOR OR RETAINER CLIP. ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THIS WORK SHALL BE PAID UNDER ITEM 202, PORTION OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

**ITEM 516 - REFURBISHING BEARING DEVICE, AS PER PLAN**

ITEM 516 - REFURBISHING BEARING DEVICES, AS PER PLAN: THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO PROPERLY ALIGN BRIDGE BEARINGS AS WELL AS THEIR CLEANING AND PAINTING. INCLUDED SHALL BE THE DISASSEMBLY OF THE BEARINGS, HAND TOOL CLEANING (GRINDING IF NECESSARY), PAINTING ACCORDING TO ITEM 514, REPLACEMENT OF ANY DAMAGED SHEET LEAD WITH PREFORMED BEARING PADS (711.21), INSTALLATION OF ANY NECESSARY STEEL SHIMS OF THE SAME SIZE AS THE BEARINGS TO PROVIDE A SNUG FIT, REALIGNMENT OF THE UPPER BEARING PLATE BY REMOVING EXISTING WELDS AND REWELDING SO THAT THE BEARINGS ARE VERTICALLY ALIGNED AT 60 DEGREES F, LUBRICATING SLIDING SURFACES, AND REASSEMBLY OF THE BEARINGS. ASSURE ALL BEARINGS ARE SHIMMED ADEQUATELY AND THAT NO BEAMS AND/OR BEARING DEVICES ARE "FLOATING". AT NO ADDITIONAL COST TO THE STATE, THE CONTRACTOR MAY INSTALL NEW BEARINGS OF THE SAME TYPE AS THE EXISTING IN PLACE OF REFURBISHING THE BEARINGS. ALL WORK SHALL BE TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID PER EACH FOR ITEM 516 - REFURBISH BEARING DEVICES, AS PER PLAN.

**ITEM 516 - ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS, AS PER PLAN**

THE EXISTING STRIP SEAL SHALL BE REPLACED WITH ONE CONTINUOUS SEAL AS INDICATED IN THE PLANS. THE INSTALLED SEAL SHALL BE CAPABLE OF ACCOMMODATING 4" OF MOVEMENT. THE CONTRACTOR SHALL ENSURE THAT THE RETAINER CLIPS ARE FREE OF DEBRIS BEFORE INSTALLING THE NEW SEAL. INSTALL SEAL USING LUBRICANT PER THE MANUFACTURES SPECIFICATION.

**ITEM 613 - LOW STRENGTH MORTAR BACKFILL, AS PER PLAN**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING THE PROPOSED LOW STRENGTH MORTAR BACKFILL UNDER THE EXISTING ABUTMENT AND INSURING THE LSM PROVIDES A UNIFORM BEARING BETWEEN THE ABUTMENT AND AGGREGATE. THE CONTRACTOR SHALL UTILIZE FORMS AS NECESSARY TO ENSURE THE LSM REMAINS UNDER THE EXISTING ABUTMENT. PLACEMENT SHALL BE IN ACCORDANCE WITH ITEM 613 AND AS INDICATED WITHIN THESE PLANS, SEE STRUCTURE MOT-675-0233. ALL WORK, LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE PAID FOR UNDER THE UNIT PRICE BID PER CUBIC YARD FOR ITEM 613 - LOW STRENGTH MORTAR BACKFILL, AS PER PLAN.

**ITEM SPECIAL - PATCHING CONCRETE BRIDGE DECK, TYPE B**

THIS ITEM OF WORK SHALL BE IN ACCORDANCE WITH PROPOSAL NOTE 512 - ITEM SPECIAL PATCHING CONCRETE BRIDGE DECKS, WITH THE FOLLOWING REVISIONS: REMOVE AND PATCH ONLY UNSOUND PROBLEM AREAS MARKED OUT BY THE ENGINEER IN THE AREA ALONG THE EXISTING BRIDGE JOINTS. THE ENTIRE CONCRETE SURFACE IS NOT TO BE SOUNDED TO REPAIR ALL POTENTIAL UNSOUND AREAS. ALL WORK, LABOR, MATERIAL AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE PAID FOR UNDER THE UNIT BID OF SQUARE YARDS FOR ITEM SPECIAL- 519 PATCHING CONCRETE BRIDGE DECK, TYPE B.

THIS ITEM APPLIES ON THE FOLLOWING STRUCTURE(S):  
MOT-4-2050L  
MOT-35-1395L&R

**ITEM 516 - BEARING DEVICE, ROCKER, AS PER PLAN**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING ABUTMENT ROCKER BEARINGS, LOAD PLATES, SHIMS, AND PINS, AND PREPAIR THE AREA FOR NEW BEARINGS. CARE SHALL BE TAKEN NOT TO DAMAGE ANY EXISTING BRIDGE BEAMS, OR ABUTMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NEW BEARINGS AS INDICATED IN THESE PLANS. ALL WORK, LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE PAID FOR AT THE UNIT BID PRICE PER EACH FOR ITEM 516 - BEARING DEVICE, ROCKER, AS PER PLAN.

**ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN**

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN: ALL REQUIREMENTS OF 513 APPLY TO SHOP FABRICATED MEMBERS. PERFORM WORK FOR FIELD FABRICATED MEMBERS ACCORDING TO ITEM 513, EXCEPT AS MODIFIED HEREIN. THE DEPARTMENT WILL NOT REQUIRE THE CONTRACTOR PERFORMING FIELD FABRICATION TO BE PRE-QUALIFIED AS SPECIFIED IN SUPPLEMENT 1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE IN ACCORDANCE WITH 501.06, TO THE ENGINEER. PROVIDE THE ENGINEER "AS-BUILT" DRAWINGS ACCORDING TO 513.06. EXCEPT 501.04 DOES NOT APPLY UPON RECEIPT OF

THE ENGINEER'S ACCEPTANCE, SUPPLY A COPY OF THE DRAWINGS, ACCORDING TO SUPPLEMENT 1002, TO THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES. PROPOSED STRUCTURAL STEEL MEMBERS, AND AREAS AFFECTED BY THE REPAIR SHALL BE REPAIRED PER CMS 514.22 REPAIR PROCEDURES. THE FINISH COAT SHALL MATCH THE EXISTING STRUCTURE COLOR.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM: WEB PERFORATION REPAIRS, STIFFENER PERFORATION REPAIRS, FLANGE REPAIRS/RETROFITS, CROSS FRAME ANGLES, AND END FRAME ANGLES.

**ITEM 513 - STRUCTURAL STEEL, MISC.: REPAIR CRACKED WELDS.**

CRACKED OR BROKEN WELDS SHALL BE GROUND SMOOTH AND REPAIRED WHERE DETAILED. REPAINTING AREAS AFFECTED BY THE WELD REPAIR SHALL BE REPAIRED PER CMS 514.22 REPAIR PROCEDURES. ALL MATERIALS, LABOR AND EQUIPMENT NEEDED FOR SURFACE PREPARATIONS, WELDING AND PAINT REPAIR SHALL BE INCLUDED FOR PAYMENT WITH ITEM 513 - STRUCTURAL STEEL MISC.; REPAIR CRACKED WELDS.

CLA-4-0611R - WELDING ON END FRAME  
MOT-75-3.73L - MOMENT PLATE WELDS

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GENERAL NOTES ( 2 OF 2 )

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