

LDENNIS@D07CD109 - note.m - Monday October 23 2000 10:10:40 AM EDT

ITEM 517 - RAILING FACED, AS PER PLAN

DESCRIPTION: THIS ITEM OF WORK SHALL CONSIST OF FURNISHING ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO REPLACE/RECONSTRUCT EXISTING CONCRETE BRIDGE PARAPETS ACCORDING TO PLAN NOTES AND DETAILS, APPLICABLE STANDARD DRAWINGS, AND PERTINENT PROVISIONS OF THE O.D.O.T. CONSTRUCTION AND MATERIALS SPECIFICATIONS.

REMOVAL: THE CONTRACTOR WILL CAREFULLY REMOVE AND DISPOSE OF THE EXISTING ALUMINUM RAILING, POSTS, CURB PLATES, EXISTING CONCRETE CURB AND BULB ANGLE GUTTER (IF ONE IS FOUND UNDER THE CURRENT OVERLAY). ALL LOOSE AND UNSOUND CONCRETE SHALL BE REMOVED. ALSO TO BE REMOVED SHALL BE ANY UNSOUND CONCRETE NECESSARY TO OBTAIN A MINIMUM OF 4" THICKNESS OF NEW CONCRETE. ALL REMOVED ITEMS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

DOWEL HOLES AND REINFORCING STEEL: DOWEL HOLES SHALL BE DRILLED WHERE SHOWN IN THE PLANS. REINFORCING STEEL SHALL BE INSTALLED USING EPOXY GROUT AS PER CMS 705.20 AND 510. ALL EXISTING REINFORCING STEEL BARS IN THE AREA OF THE DOWEL HOLE SHALL BE LOCATED WITH THE HELP OF A REINFORCING STEEL BAR LOCATOR (PACHOMETER) PRIOR TO DRILLING THE HOLES. IF AN EXISTING BAR IS LOCATED AT THE SAME LOCATION AS A PROPOSED DOWEL HOLE, THE DOWEL HOLE SHALL BE MOVED TO EITHER SIDE OF THE EXISTING BAR. ALL REINFORCING STEEL, DOWEL HOLES, AND GROUTING SHALL BE INCLUDED WITH THIS ITEM 517 FOR PAYMENT.

SURFACE PREPARATION: THE PARAPET SURFACE NEXT TO THE REFACING WALL SHALL BE THOROUGHLY CLEANED BY ABRASIVE BLASTING FOLLOWED BY AN AIR BLAST. USE OF HAND TOOLS MAY BE NECESSARY TO REMOVE SCALE FROM ANY EXPOSED REINFORCING STEEL. THE SURFACE SHALL BE MADE FREE FROM SPALLS, LAITENENCE, AND ALL TRACES OF FOREIGN MATERIAL. DETERGENT CLEANING SHALL PRECEDE BLAST CLEANING AS NECESSARY TO INSURE REMOVAL OF CONTAMINANTS THAT ARE DETRIMENTAL TO ACHIEVING ADEQUATE BOND.

MATERIALS:  
REINFORCING STEEL - 709.00, GRADE 60  
CONCRETE: SS842 CLASS S

METHOD OF MEASUREMENT: THE QUANTITY SHALL BE THE ACTUAL LENGTH OF THE RAILING FACED AS MEASURED FROM END OF WINGWALL TO END OF WINGWALL. THIS ITEM SHALL INCLUDE THE FURNISHING OF ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THIS WORK. ALL COST OF REMOVAL, DOWEL HOLES, REINFORCING STEEL, CONCRETE AND SHRINKAGE CONTROL JOINTS COMPLETE AND IN PLACE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR:

ITEM	UNIT	DESCRIPTION
517	METER	RAILING FACED, AS PER PLAN

REPLACEMENT OF EXISTING REINFORCING STEEL

WHERE CONCRETE IS BEING REMOVED AND REPLACED, THE EXISTING REINFORCING STEEL SHALL REMAIN AND BE TRIMMED TO PROVIDE THE REQUIRED CLEARANCE. ANY EXISTING REINFORCING BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK, AND WHICH ARE MADE UNUSABLE BY THE CONTRACTOR'S CONCRETE OPERATIONS SHALL BE REPLACED BY NEW STEEL AT HIS COST. ANY EXISTING REINFORCING BARS DEEMED BY THE ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION ARE INCLUDED FOR PAYMENT WITH ITEM 517-RAILING FACED, AS PER PLAN.

DATE REVISED  
LEE 08-18-00  
DRAWN  
CHECKED

**GENERAL NOTES**

LOGAN COUNTY  
LOG-117-06.71