

26. Footing elevations may have to be adjusted slightly depending on the elevation of bedrock. Where sound rock is found 2 feet or less below the planned elevations of the bottom of footing, backfill of Class B concrete shall be installed to the bottom of footing elevation shown on the Plans. Backfill concrete may be poured monolithically with the footing concrete. Where sound rock is found more than 2 feet below planned elevations of the bottom of footing, the Deputy Chief Engineer (Structures) shall be so advised and a redesign of the substructure may be made.
27. Excavation below planned footing elevation will not be allowed without written permission from the Engineer. Backfill of unauthorized excavations below or beyond payment lines will be at the Contractor's expense. Backfill material will be Class B Concrete unless otherwise directed by the Engineer.
28. Rock shall be presplit along the lower roadway in front of and for 50 feet to either side of the abutment footing. This lower roadway excavation work shall be performed prior to any work on the abutment footing excavation proper. In addition, when the bottom of the abutment footing is more than 5 feet below the rock surface, the rock shall be presplit adjacent to the footing as shown on the plans to the required depth. The cost of such presplitting shall be included in the excavation item.
33. The Contractor's attention is directed to the very compact nature of the soil described on the subsurface profile drawing in the area to be excavated or retained during construction. The Contractor shall govern his operations and procedures accordingly, within the appropriate specification items, including the selection and possible use of sheeting with sufficient size and section to withstand the expected hard driving.
34. Top of backwalls on which Asbestos Sheet Backing (Subsection 728-06) is to be placed shall be steel-trowel finished.

-
36. Epoxy Protective Coating for Concrete, Item _____, shall be applied to the following surfaces:

ABUTMENTS: All exposed pedestal surfaces, bridge seats, including the area under the bearings, exposed vertical surfaces of backwall, and curtainwalls facing the superstructure.

SOLID PIERS: All pedestal surfaces, including the area under the bearings, and top surface of pier between pedestals, including the edge chamfer at top edge of pier.

PIERS WITH COLUMNS:

Piers under Deck Joints

The entire pier beam and pedestals, including the surfaces under the bearings.

Piers Not under Deck Joints:

All pedestal surfaces, including the area under the bearings and the top surface of pier between pedestals including the edge chamfer at top edge of pier.

37. The Contractor, with the permission of the Deputy Chief Engineer (Structures) may elect to introduce construction joints in the abutments at locations not shown on the Plans. These construction joints shall be provided with shear keys and waterstops. Vertical construction joints introduced in the backwall should preferably be placed midway between the pedestals.

50. SUPERSTRUCTURE NOTES

51. The structural slab for this structure shall be formed using permanent corrugated metal forms for concrete decks. (See details in Proposal.)
52. The structural slab for this structure shall be formed using removable forms.

Note No. 53 is to be used when unpainted self weathering steel is called for over highways and other locations where staining would be objectionable.

53. All exposed concrete shall be covered with polyethylene sheeting or other material approved by the Engineer. The covering shall remain until the completion of the Contract or A. O. B. E. The cost of the covering shall be included in the Structural Concrete Item.

54. CLEANING CONTROLLED OXIDIZING STRUCTURAL STEEL

A. In the Fabrication Shop

The outside surface of the fascia stringers shall be cleaned of all dirt, grease, paint, mill scale or other foreign material prior to shipping. The purpose of the cleaning is to produce fascia surfaces which will weather uniformly.

B. In the Field

The outside surface of the fascia stringers shall be cleaned so that all dirt, grease, paint or other foreign material is removed at the completion of the bridge construction. The purpose of the cleaning is to return the fascia surfaces to the condition in which they left the fabrication shop.

The cost of cleaning this steel in the fabrication shop and the field shall be included in the price bid for the various items in the contract.

NOTES TO BE PLACED ON PLANS (DULSEAL) Continued

70 ALL concrete surfaces receiving new concrete shall be sandblasted. Just prior to the application of new concrete, the surfaces shall be air cleaned, wet down and coated with a thin coating of 1:1 mortar or neat cement paste thoroughly brushed into the surface. It will not be necessary to brush the mortar into surfaces made inaccessible by mesh or closely spaced reinforcement when so determined by the Engineer. There will be no separate payment for this work. The cost shall be included in the bid price for the various concrete items in the Contract.

71 A. Chipping hammers used to remove concrete from the following structural components shall not exceed twenty-five (25) pounds in weight with the bit removed:

B. Chipping hammers used to remove concrete from the following structural components shall not exceed forty (40) pounds in weight with the bit removed:

(Note "A" is to be used for partial removals when the concrete to be removed is unsound. Note "B" is to be used for partial removals when the concrete to be removed is sound.)

72. Shop drawings shall be submitted to the Deputy Chief Engineer (Structures) for approval for the following structural steel replacement items:

73. Shop drawings shall be submitted to the Engineer for approval for the following structural steel replacement items:

74. If the structure has a Bridge Identification Number (B.I.N.) Plate attached, it shall be the Contractors responsibility to protect it during construction or remove and remount it after construction is completed.

NOTES TO BE PLACED ON PLANS (DULSEAL) - Continued

RECONSTRUCTION NOTES

- 61 The Contractor's attention is directed to the fact that, due to the nature of reconstruction projects, the exact extent of reconstruction work cannot always be accurately determined prior to the commencement of work. These Contract Documents have been prepared based on field inspection and other information available at the time. Actual field conditions may require modifications to construction details and work quantities. The Contractor shall perform the work in accordance with field conditions.
- 62 The Contractor shall perform all work with care so that any materials which are to remain in place, or which are to remain the property of the State, will not be damaged. If the Contractor damages any materials which are to remain in place, or which are to remain the property of the State, the damaged materials shall be repaired or replaced in a manner satisfactory to the Engineer at the expense of the Contractor.
- 63 Whenever items in the Contract require materials to be removed and disposed of, the cost of supplying a disposal area and transportation to that area shall be included in the unit price bid for those items.
- 64 During removal operations, the Contractor shall not be allowed to drop waste concrete, debris and other material to the area below the bridge except where the plans specifically permit the dropping of material. Platforms, nets, screens or other protective devices shall be used to catch the material. If the Engineer determines that adequate protective devices are not being employed, the work shall be suspended until adequate protection is provided.
- 65 All material falling on the area below and adjacent to the bridge shall be removed and disposed of by the Contractor.
- 66 The cost of furnishing, installing, maintaining, removing and disposing of all platforms, nets, screens or other protective devices shall be included in the unit bid price of the appropriate items of the Contract.
- 67 The Details on Drawing No. _____ indicate the spalls, scales and cracks noted on a field inspection by STATE forces. All of the major areas of spalling, scaling and cracking, known to exist at the time of contract preparation have been shown to indicate the approximate extent of deterioration that will have to be repaired by the Contractor.
- 69 Areas of deterioration that are _____ inches or less in depth shall be repaired by Item _____ "Shotcrete". Areas that are greater in depth than this shall be repaired with Item _____ "Removal and Replacement of Structural Concrete". The indicated depth limitation is only an approximate guide and final determination of which item to use shall be the decision of the Engineer.