

SIGNING NOTES

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		4 III

LAKE COUNTY
LAK.-90-3.56

202 REMOVAL OF EXISTING SIGN INSTALLATION, AS PER PLAN

This work shall consist of the removal of all existing sign installations on main roadway, ramps and approach roadways within work limits of this project.

Work shall also include removal of sign supports and foundations as required in Section 202.

All signs, and accessories removed shall be stored neatly within the limits of the project at locations approved by the Engineer for removal by State forces, or re-erection. This work shall include disposal of all waste material and supports.

To assure maintenance of adequate traffic control at all times, no signs are to be removed without the approval of the Engineer.

Payment for removal of existing signs shall include all necessary labor and equipment required to perform the required work as indicated above.

1. Basis of payment shall be as follows for signs forty (40) square feet or greater:
REMOVAL OF EXISTING MAJOR SIGN INSTALLATIONS AS PER PLAN at the contract price per each.
2. Basis of payment shall be as follows for all other signs:
REMOVAL OF EXISTING SIGN INSTALLATIONS AS PER PLAN at the contract lump sum price.

202 REMOVAL OF EXISTING SIGN FACES

This work shall consist of the removal of existing sign faces from supports to remain in place on main roadway, ramps and approach roadways as specified in the plans.

All signs and accessories removed shall be stored neatly within the limits of the project at locations approved by the Engineer for removal by State Forces.

To assure maintenance of adequate traffic control at all times, no signs are to be removed without the approval of the Engineer.

Payment for the removal of existing sign faces shall include all necessary labor and equipment required to perform the required work as indicated above.

Basis of payment shall be as follows:

ITEM 202 REMOVAL OF EXISTING SIGN FACES at the contract price per each.

ORIENTATION OF SIGN FACES

Signs shall be erected so that the face of the sign is vertical and at a right angle to the center of the lane which it serves except where otherwise-noted. Where lanes divide and on sharp horizontal curves, sign faces shall be placed perpendicular to the tangent point of the curve at the station location, so as to be most effective both day and night.

MILE MARKER LOCATION

The Bureau of Planning Survey will locate the longitudinal position of mile markers by a paint blotch on the completed pavement edge.

On divided highways only one pavement edge will be marked. Markers for the opposite direction will be set "across" from those on the marked edge.

The Contractor will notify the Project Engineer thirty (30) days in advance of the planned marker installation. The Project Engineer will then immediately notify the Bureau of Planning Survey by letter of the planned marker installation.

Any delineator that is within fifty (50) feet of a mile marker shall be removed.

APPROVED DRAWINGS AND CERTIFICATION OF MATERIALS

The Contractor shall submit for review and approval six (6) copies of shop drawings or material lists for the following:

1. Overhead sign supports and signal supports.
2. Sign face copy layouts.
3. Sign panels and accessories.
4. Sign lighting and signal items.
5. Catalog cuts, descriptions, or samples of fabricator's standard items (or equal) as shown in the Plans.

Submittal shall be made to the Engineer.

GALVANIZED SUPPORTS

All components of ground mounted sign supports shall be galvanized in accordance with ASTM A-123. All bolts, nuts, and washers (plain and lock) shall be galvanized in accordance with ASTM A-153, except where aluminum or stainless steel is required.

DIMENSIONS

Dimensions of signs are indicated on the plans with the horizontal dimension shown first, then the vertical dimension.

IDENTIFICATION OF TRAFFIC SIGNS

Identification of all traffic signs is by reference number or code number. Reference numbers refer to the sign design bearing the same number. Code numbers refer to Standard Drawings with the same number.

ROCK EXCAVATION

In cases where solid rock is encountered for sign support foundations, the depth to be excavated below the rock surface may be decreased by the Engineer to a maximum of 35 per cent.

815 REVISE EXISTING SIGN EXIT LEGEND

This work shall consist of the removal of the word "EXIT" or "JCT" and the respacing of the bottom line of the legend as per plan. Care should be taken so as to not damage the sign face or the letters to be respaced.

This work shall be paid at the unit price bid per each, Revise Existing Sign Exit Legend.

MODIFYING SUPPLEMENTAL SPECIFICATION 816

All supports composed of single or back to back (6lb. beam) steel drive post will be driven into place in lieu of the requirement contained in 816.07 and 816.08.

Unit price bid per lin. ft. for steel drive post: structural supports 6lb. beam and 6lb. beam, as per plan, will include the necessary labor, material, and equipment required to drive the support as indicated in the plan.

816 BREAKAWAY BEAM CONNECTIONS

This item shall include all the necessary labor, materials, equipment and incidentals necessary to fabricate the breakaway beam connections as detailed on sheet no. 94. Payment shall be made for breakaway connections required per each support.

816 CONCRETE FOR SIGN SUPPORT FOUNDATIONS

Payment for this item shall be based on plan dimensions (or dimensions as modified by the Engineer) in lieu of plan quantities as specified in supplemental specifications 816. Payment for reinforcing steel, anchor bolts and conduit shall be included in the unit price bid for this item.

816 STRUCTURAL SUPPORTS DRIVEN TYPE

Driven type structural supports will be driven to a depth of five feet (5'-0") minimum below ground line in such a manner that no deformation within the length of the support, or damage to the support, will occur.

Prior to installation each support shall be significantly marked with paint at a location on the support 5'-6" from the embedded end, and approved by the Engineer.

"Structural Supports 6 Lb. Beam, Driven and 6 Lb. Beam, as per plan Driven" will include the 10"x12"x1/4" soil plate detailed in the plans.

Payment for installation of sign supports by the above method shall be included in the cost of the various support types specified including all labor, equipment and materials required.

816 STRUCTURAL SUPPORTS, STEEL BEAM (TYPE)

The structural steel beam supports including 6 pound beams, 4 pound post and hardware shall be galvanized in accordance with ASTM A-123 and A-153 respectively. All fabrication shall be completed prior to galvanizing.

Quantities for item 816 "Structural Supports, Steel Beam (Type)" appearing in the quantity tables are approximate. The Contractor shall be responsible for determining exact support lengths prior to fabrication and galvanizing of supports. Payment shall be at the contract unit price bid per lin. ft. which price and payment shall include all costs in connection with the embedment of the supports.

The cost of the concrete used for embedment if required will be a separate pay item.

816 ALTERNATE DESIGNS FOR OVERHEAD SIGN SUPPORTS

If the Contractor desires to furnish an alternate design for overhead sign supports, the alternate designs must be submitted to the State at least 21 days prior to opening of bids. The bidder will be notified as to acceptance or rejection of alternate design at least 7 days before bids are to be opened. Alternate designs must utilize tubular structural members. Submissions shall be made to Ohio Department of Highways, Office of Design Services, 25 South Front Street, Columbus, Ohio 43215.

816 STRUCTURAL SUPPORTS, 6LB. BEAM, AS PER PLAN, DRIVEN

This item shall consist of the furnishing, assembly, and installation of two (2) 3lb. per foot drive posts (6lb. beam) in combination with a square welded or seamless galvanized tubular posts extension spliced to the top of the 6lb. beam. Details are shown on sheet 97.

Square tubular post material shall conform to ASTM A-570 Grade "B" after fabrication.

Work shall include all labor, materials, equipment, tools, and hardware necessary to perform the required item of work.

Basis of payment shall be for Structural Supports, 6lb. Beam, As Per Plan, Driven per linear foot measured by total length of combination beam from end to end.

816 CONSTRUCTION LAYOUT STAKES FOR SIGNS

The Contractor shall stake-out all sign supports in accordance with supplemental specification 816 prior to installation of any foundations or supports.

After stake-out the Contractor shall notify the Engineer a minimum of seven (7) days in advance of scheduled work. Support locations for each support will be field checked and approved by the Engineer who shall coordinate with the Division and or City Traffic Engineer prior to proceeding with construction work required.

If both major and minor type supports are included within the project it will be permissible to perform the construction stake-out and field inspection in two (2) stages, one for major supports and one for minor supports.

Cost for this work will be included in item 623 Construction Layout Stakes.

816 OVERHEAD SIGN AND TRAFFIC SIGNAL SUPPORT FABRICATION

In lieu of plan details the following are fabrication requirements for supports in this project.

All handholes fabricated for supports shall be 4" x 8" in size with face flush with pole exterior at the required locations described in the plans.

The electrical service entry through each vertical sign support pole shall be provided by means of a two inch (2") half-coupling centered at a height of 5'-0" above the bottom of the base plate.

The Type "Y" or " " disconnect switch enclosure shall be mounted in such a manner that the bottom of the enclosure will be 4'-9 1/2" (± 1/4") above the bottom of the base plate.

Payment for the fabrication requirement specified above shall be incidental to the cost of each support structure.

816 OVERHEAD SIGN SUPPORT, BY TYPE

All component parts of the overhead sign supports shall be steel, except for the truss and components for the Number 7 series which shall be aluminum. For specific details and materials, see sheet Numbers through

Cost of furnishing and installing the sign brackets and the fixture support arm, length "G", with mounting holes and hardware shall be included in the contract unit price bid for overhead sign supports.

Modifying supplemental specification 816 switch enclosure mounting brackets including mounting bolts and drilled holes shall be furnished and installed under payment for 816 Overhead Sign Support Structures at the contract price per overhead sign support, by type.

Payment for this item shall be made at the contract unit price bid for each overhead sign support, by type, installed in place and accepted, which price shall be full compensation for furnishing all anchor bolts, 2" and 3" EHT conduit ells (for installation under 816 Concrete Foundations, for Sign Supports), and for furnishing and installing each overhead sign support structure shown on Sheets Thru including fixture support arms, switch enclosure mounting bracket, sign brackets and all component parts necessary to make a complete workable installation ready for sign erection, installation of disconnect switch and enclosure, ground rod and wire connections and sign wiring.

Erection of these supports shall be accomplished in a manner meeting the requirements of supplemental specification 816.