

FED. AID DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO	400-E	1930

2-A
44

S.H. (I.C.H.) 345 SEC. 6
MUSKINGUM COUNTY
PROPOSALS NO. 3 AND NO. 4

PRESSURE JETTING OF FILLS

DESCRIPTION. This item shall consist of the pressure jetting of fills performed at locations where the depth of the fill is over four (4) feet in accordance with these specifications; but the right is reserved to vary or omit this item at the discretion of the engineer. The work shall be done as soon as practicable after the completion of the embankments which are to be pressure jetted.

CONSTRUCTION METHODS. In case pressure jetting is not begun within 15 days after the completion of the embankments which are to be pressure jetted, the contractor may be required to break the earth crust of the embankment by plowing before the water jets are applied.

Pressure jetting of fills shall be accomplished with a one-inch pipe, having the nozzle end tapered to a one-half-inch hole. The pressure of water at the nozzle, when in operation, shall not be less than 60 pounds per square inch. The jet holes shall first be opened by spudding, with a heavy iron bar, to a depth of 3 feet, and shall be spaced not further than 5 feet apart on centers. Into these holes the jet nozzle, under full pressure, shall be inserted. As long as the fill continues to absorb water, the jet shall be kept in the hole, and it shall not be forced to the bottom of the fill until the water begins to overflow the top of that hole, or of adjacent holes. If a hole must be temporarily abandoned, because of the leakage of water from the fill, the jet shall again be applied to it after the adjacent holes have been jetted.

The jetting shall begin at the deepest and proceed toward the shallowest part of the fill.

The contractor shall back-fill all holes with suitable material thoroughly saturated during the backfilling.

Any delay in the contractor's operations, caused by pressure jetting shall be covered by the unit price bid for roadway excavation.

Fills which are to be jetted, as above specified, need not be rolled but must be built up in uniform layers as set forth in the general specifications.

The unit price per cubic yard bid for Item R-1, "Roadway Excavation" shall include the furnishing of all labor, materials and equipment necessary for pressure jetting of fills in compliance with the above, no additional compensation will be allowed.