
Special Specification 4084

Removing and Re-Laying Box Culvert



1. DESCRIPTION

Remove, transport, clean, and re-lay existing box culvert.

2. CONSTRUCTION

Box culvert to be removed and re-laid will be shown on the plans. Remove debris and sediment within the box culvert. Clean joints to facilitate proper re-laying. Install box culvert in accordance with Item 462, "Concrete Box Culverts and Drains." Excavate, bed, and backfill in accordance with Item 400, "Excavation and Backfill for Structures." Prevent damage to the box culvert and fittings. Make connections to existing structures as shown on the plans and in conformance to the requirements for connections as described in pertinent box culvert specifications. Mark the top and bottom of box culvert before removal and reinstall in the same position. Reuse headwall, aprons, or other appurtenances by severing from the box culvert and moving to the new position if shown on the plans. Make connections for joining sections of box culverts in accordance with pertinent Items.

Replace any items designated for reuse with new material or restore them to previous condition, as approved. The Contractor may remove and dispose of existing structures and construct new structures at no expense to the Department in accordance with pertinent specifications and designs shown on the plans or as approved.

3. MEASUREMENT

This Item will be measured by the foot between the ends of the box culvert along the flow line as installed. Where spurs, branches, or connections to the existing box culvert lines are involved, measurement of the spur or connecting pipe will be made from the intersection at the flow line with the outside surface of the box culvert into which the pipe connects. Where inlets, catch basins, manholes, safety end treatments, or other structures are included in lines of box culvert, the length of box culvert tying into the structure wall will be included for measurement but no other portion of the structure length or width will be included.

4. PAYMENT

The work performed and materials furnished in accordance with this Item and measurement as provided under "Measurement" will be paid for at the unit price bid for "Removing and Re-laying Box Culvert" of the size specified. This price is full compensation for excavating and removing box culvert from its original location; loading, hauling, placing, and joining box culvert; cutting box culvert ends on skew or slope; moving and re-using headwalls and safety end treatments; connections to existing structures; concrete collars and reinforcing; and equipment, materials, labor, tools, and incidentals. Removal and disposal of box culvert and appurtenances not reused will be subsidiary to the bid items of the Contract. Protection methods for excavations greater than 5 ft. in depth will be measured and paid for as required under Item 402, "Trench Excavation Protection," or Item 403, "Temporary Special Shoring." Excavation, bedding, and backfill for re-laying box culvert will be paid for in accordance with Item 400, "Excavation and Backfill for Structures." When jacking, boring, or tunneling is used at the Contractor's option, payment will be made under this Item. When jacking, boring, or tunneling is required, payment will be made under Item 476, "Jacking, Boring, or Tunneling Pipe or Box."