



Connecticut DOT

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Bureau of Engineering and Construction

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ENGINEERING & CONSTRUCTION BULLETIN

Chief Engineer

Channel Bottom Material Updates

The Department is revising its practice and associated support materials (i.e., contract items, Owned Special Provisions) related to streambed channel materials in construction contracts.

When recommended by the Department of Energy and Environmental Protection (DEEP) Fisheries or the Office of Environmental Planning (OEP), the item **Excavation and Reuse of Existing Channel Bottom Material** will be included in the contract. If there is an insufficient quantity of excavated channel bottom material within the project limits, the item **Supplemental Streambed Channel Material** shall also be specified.

The item **Rounded Stone Riprap**, which was previously used in conjunction with **Excavation and Reuse of Existing Channel Bottom Material**, will no longer be specified for this application.

Information on the Owned Special Provisions developed to support this change, which have been posted to the Department’s [web page](#), is summarized in the table below.

Item		Pay unit	Revision date
Number	Description		
0202216A	Excavation and Reuse of Existing Channel Bottom Material	cubic yards (c.y.)	6/1/17
0202217A	Supplemental Streambed Channel Material	estimated (est.)	6/7/17

The table below may be used to develop an estimated cost for **Supplemental Streambed Channel Material**.

Location material used	Average unit price (\$/c.y.)
Bridge embankment	140
Stream embankment	130
Culvert inlet/outlet with scour	90
Culvert streambed	105

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This estimating guidance (table above) may be updated after the item has been used in enough contracts to develop a cost history.

These changes should be included in all affected projects with Final Design Plan submissions (FDP) after this date. Revisions to projects beyond FDP are not necessary.