

211.4.01

B. Bridge Backfill

Bridge backfill is measured for payment as follows:

- No separate measurement is made for bridge backfill.
- Backfill material hauled to intermediate substructure locations according to Subsection 211.3.05.D.4. is not measured as bridge backfill, but is considered a Specification Allowance as set forth in Subsection 211.5.B.
- No allowance is made for material hauled in for use at bridge ends.

211.4.01 Limits

General Provisions 101 through 150.

211.5 Payment

A. Bridge Excavation

This work will be paid for at the Contract Price per cubic yard (meter) complete, or at the Contract Price modified as specified below:

1. The Department will pay for all eligible excavation down to 2 ft (600 mm) below the Plan foundation elevation at the Contract Price for bridge excavation.
2. The amount of payment for excavating lower than 2 ft (600 mm) below the Plan elevation is determined by increasing the Contract Price for bridge excavation as follows:
 - a. If excavations extend 6 ft (1.8 m) or less below the Plan foundation elevation, payment for excavating the material from 2 ft (600 mm) below the Plan foundation elevation is at the Contract Price plus 50 percent.
 - b. If excavations extend more than 6 ft (1.8 m) but not more than 10 ft (3 m), payment for excavating the material from 2 ft (600 mm) below the Plan Foundation elevation is at the Contract Price plus 75 percent.
 - c. If excavations extend more than 10 ft (3 m) below the Plan foundation elevation, payment for excavating the material from 2 ft (600 mm) below the Plan foundation is at the Contract Price plus 100 percent.

B. Bridge Backfill

The Department will not pay for this work separately. Include the cost in other pay items included in the Bridge Contract.

The Department will pay 125 percent of the Contract Price for bridge excavation when the Contractor furnishes and hauls material used as replacement for unsuitable material excavated at intermediate substructure locations. Maximum dimensions and deductions are specified in Subsection 211.4.B.

Payment will be made under:

Item No. 211	Bridge excavation	Per cubic yard (meter)
Item No. 211	Bridge excavation grade separation	Per cubic yard (meter)
Item No. 211	Bridge excavation, stream crossing— no. ___	Per cubic yard (meter)
Item No. 211	Porous backfill	Per cubic yard (meter)

211.5.01 Adjustments

General Provisions 101 through 150.

Section 212—Granular Embankment

212.1 General Description

This work includes furnishing, hauling, and placing granular material for constructing or reconstructing of the embankment according to the Plans.

212.1.01 Definitions

General Provisions 101 through 150.

212.1.02 Related References**A. Standard Specifications**

Section 109—Measurement and Payment

Section 810—Roadway Materials

B. Related Documents

General Provisions 101 through 150.

212.1.03 Submittals

General Provisions 101 through 150.

212.2 Materials

Ensure that granular material meets the requirements of Class I-A-2 soil, Subsection 810.2.01.A, modified as follows:

Percent Passing No. 200 (75 µm)	0 to 18
Percent Clay	0 to 10

212.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

212.3 Construction Requirements**212.3.01 Personnel**

General Provisions 101 through 150.

212.3.02 Equipment

General Provisions 101 through 150.

212.3.03 Preparation

General Provisions 101 through 150.

212.3.04 Fabrication

General Provisions 101 through 150.

212.3.05 Construction

Follow these requirements when constructing a granular embankment:

1. Place the embankment at the location(s) shown on the Plans.
2. Ensure that thickness of the lifts and the compaction are approved by the Engineer.
3. When granular embankment material is placed under water, place the granular material on dry ground above the high-water level then push the material toward and into the water according to the limits and dimensions shown on the Plans.

212.3.06 Quality Acceptance

General Provisions 101 through 150.

212.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

212.4 Measurement

Furnished granular embankment material complete in place and accepted, is measured by volume according to the following cases:

A. Pit with Multiple Party Access

When granular embankment material is obtained from a pit from which multiple parties have access, the granular embankment is measured by volume in the hauling vehicle as specified in Subsection 109.01.

212.4.01

B. Pit with Exclusive Access

When granular embankment material is obtained from a pit dedicated exclusively to the Project on which payment for granular embankment is being made, the granular embankment is measured for payment using the average end area method to determine the volume of material removed from the pit and incorporated into The Work.

C. Quarry

When granular embankment material is obtained from a quarry, a certified weight ticket shall accompany the material. The weight of the material delivered and accepted is converted to an equivalent volume based on the dry loose unit weight of the material provided.

212.4.01 Limits

General Provisions 101 through 150.

212.5 Payment

Granular embankment material will be paid for at the Contract Price per cubic yard (meter). This price is full compensation for furnishing material, hauling, placing, compacting, and providing labor, equipment, and superintendence necessary to complete The Work.

Payment will be made under:

Item No. 212	Granular embankment, including material and haul	Per cubic yard (meter)
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212.5.01 Adjustments

General Provisions 101 through 150.

Section 214—Mitigation Site Construction

214.1 General Description

Specifications for this work will be included elsewhere in the Contract.

Section 215—Removal of Solid Waste

215.1 General Description

This work includes excavating, removing, and disposing of solid waste discovered during construction or shown on the Plans. Remove materials according to this Specification, Plan details, and as directed by the Engineer.

215.1.01 Definitions

Solid Waste: Discarded putrescible (i.e. liable to rot) and non-putrescible wastes such as trash, garbage, animal carcasses, debris, and materials not natural to the area.

215.1.02 Related References

A. Standard Specifications

Section 107—Legal Regulations and Responsibility to the Public

Section 109—Measurement and Payment

Section 208—Embankments

B. Referenced Documents

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215.1.03 Submittals

Submit a report of disposal from the municipal solid waste landfill to the Engineer for each load of solid waste removed from the project.