

**SECTION 9.24
CONCRETE RAMPS**

9.24.01--Description: This item shall consist of concrete ramps constructed on a gravel or reclaimed miscellaneous aggregate base in the locations and to the dimensions and details shown on the plans or as ordered and in accordance with these specifications.

9.24.02--Materials: Materials for this work shall conform to the following requirements:

1--Portland cement, fine and coarse aggregate, air-entraining admixtures and water shall conform to the requirements of Article M.03.01 for Class "A" Concrete.

2--Gravel or Reclaimed Miscellaneous Aggregate Base: Gravel or reclaimed miscellaneous aggregate base shall conform to the requirements of Article M.02.01.

3--Reinforcement: Shall conform to the requirements of Article M.06.01 for concrete pavement.

9.24.03--Construction Method: Construction methods shall conform to the requirements of Article 9.21.03 for concrete sidewalks. The surface shall be finished and marked off as directed. The ramps shall be reinforced if so indicated on the plans. The concrete shall contain not less than 5 nor more than 7 percent entrained air at the time the concrete is deposited in the forms.

9.24.04--Method of Measurement: This work will be measured for payment as follows:

1--Concrete Ramps: This work will be measured for payment by the actual number of cubic meters of completed and accepted concrete ramp.

2--Excavation: Excavation below the finished grade of the ramp, backfilling and disposal of surplus material will not be measured for payment; but the cost shall be included in the price bid for the ramp.

Excavation above the finished grade of the ramp will be classified and paid for as roadway excavation.

3--Gravel or Reclaimed Miscellaneous Aggregate Base: This work will not be measured for payment, but the cost shall be included in the price bid for the ramp.

4--Reinforcement: This material will not be measured for payment, but the cost shall be included in the price bid for concrete ramp.

9.24.05--Basis of Payment: This work will be paid for at the contract unit price per cubic meter for "Concrete Ramp," complete in place, which price shall include all excavation as specified above, backfill, disposal of surplus materials, and all materials, equipment, tools and labor incidental thereto.

Pay Item	Pay Unit
Concrete Ramp	m ³