

diversion structures, sandbags, polyethylene sheeting, diversion pipes, pumps, hoses, and connections.

**308.04.27** Temporary Wood Cellulose Mulch will be measured and paid for as specified in 704.04.02.

**308.04.28** Temporary Seeding will be measured and paid for as specified in 704.04.01.

**308.04.29** Seeding Roadside Areas will be measured and paid for as specified in 705.04.01.

**308.04.30** Seeding Median Areas will be measured and paid for as specified in 705.04.02.

**308.04.31** Overseeding Roadside Areas will be measured and paid for as specified in 705.04.05.

**308.04.32** Overseeding Median Areas will be measured and paid for as specified in 705.04.06.

**308.04.33** Sodding will be measured and paid for as specified in 708.04.01.

**308.04.34** Temporary earth berms and interceptor berms for incremental stabilization will not be measured, but the cost will be incidental to the excavation items specified in the Contract Documents.

## SECTION 309 — CONCRETE DITCHES

**309.01 DESCRIPTION.** This work shall consist of constructing concrete ditches and incidental toe walls as specified in the Contract Documents or as directed by the Engineer.

### 309.02 MATERIALS.

Crusher Run Aggregate CR-6	901.01
No. 57 Aggregate	901.01
Curing Materials	902.07
Form Release Compounds	902.08
Concrete Mix No. 2	902.10
Joint Sealer	911.01
Preformed Joint Filler	911.02
Borrow	916
Soil Stabilization Matting	920.06

**309.03 CONSTRUCTION.**

**309.03.01 Excavation.** Excavation and the preparation of the subgrade shall conform to Section 602. Refer to 402.03.01 for excavated material.

**309.03.02 Forms.** Forms shall be steel or wooden and shall conform to Section 603.

**309.03.03 Concrete.** Concrete mixing and placing shall conform to Section 603.

**309.03.04 Joints.** Maximum joint spacing shall be 15 ft. The joints shall be either bulkhead or weakened plane construction joints. Weakened plane joints shall be either tooled or sawed to a minimum depth of 3/4 in. Expansion joints shall be spaced a maximum of 90 ft and sealed.

**309.03.05 Cold Weather Construction and Curing.** Refer to 520.03.02 for cold weather construction and to 520.03.12 for concrete curing.

**309.03.06 Backfill.** After the forms have been removed, backfill shall be placed and compacted as directed by the Engineer.

**309.03.07** When the existing concrete ditch is removed but not replaced, the area shall be regraded and stabilized as directed by the Engineer.

**309.04 MEASUREMENT AND PAYMENT.** The payment will be full compensation for all concrete, excavation, forms, backfill, curing, disposal of excess or unsuitable material, toe walls, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

**309.04.01** Concrete Ditches will be measured and paid for at the Contract unit price per square yard.

**309.04.02** The removal and disposal of unsuitable material below the subgrade will be measured and paid for at the Contract unit price per cubic yard for Class 2 Excavation. The payment will include the cost of replacing the unsuitable material with suitable material acceptable to the Engineer, except as specified in 309.04.03.

**309.04.03** When Borrow or Selected Backfill using No. 57 Aggregate or Selected Backfill using Crusher Run Aggregate CR-6 is approved by the Engineer as replacement material for the Class 2 Excavation, it will be measured and paid for at the Contract unit price per cubic yard for the pertinent items as specified in the Contract Documents.

**309.04.04** Concrete ditches removed but not replaced will be paid for at the Contract unit price per square yard. The payment will include the cost to dispose of the material, regrading, topsoil, and soil stabilization matting.

## SECTION 310 — CONCRETE SLOPE AND CHANNEL PROTECTION

**310.01 DESCRIPTION.** This work shall consist of protecting slopes and channels with cast-in-place concrete and cutoff walls as specified in the Contract Documents or as directed by the Engineer.

### 310.02 MATERIALS.

Crusher Run Aggregate CR-6	901.01
No. 57 Aggregate	901.01
Curing Materials	902.07
Form Release Compound	902.08
Concrete Mix No. 2	902.10
Welded Steel Wire Fabric	908.05
Joint Sealer	911.01
Prefomed Joint Fillers	911.02
Roofing Paper	911.07
Borrow	916

### 310.03 CONSTRUCTION.

**310.03.01 Excavation.** Excavation, including excavation for cutoff walls shall conform to Section 602. Refer to 402.03.01 for excavated material.

**310.03.02 Cast-In-Place Concrete.** Cast-in-place concrete slope protection shall be constructed in alternate strips so that construction joints are all in one direction and that tooled joints run perpendicular to the construction joints. The result shall be a checkerboard pattern having squares not less than 3 ft nor more than 5 ft. The size of the squares and the size of squares around curved surfaces shall be as directed by the Engineer. Joints and cutoff walls shall be constructed as specified in the Contract Documents or as directed by the Engineer.

**310.03.03 Forms.** Forms shall conform to Section 603.

**310.03.04 Concreting.** Concrete mixing shall conform to 915.03.04. Volumetric batching and continuous mixing will be permitted on this work. Areas subject to the infiltration of water shall be dewatered by