

SECTION 02624

APPROACH SLAB CATCH BASIN

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Construct a drainage catch basin at the approach of an existing structure.

1.2 RELATED SECTIONS

- A. Section 02610: Pipe Culvert
- B. Section 03055: Portland Cement Concrete
- C. Section 03211: Reinforcing Steel and Welded Wire

1.3 REFERENCES

- A. AASHTO M 111: Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
- B. AASHTO M 270: Carbon and High-Strength Low-Alloy Structural Steel Shapes, Plates, and Bars and Quenched-and-Tempered Alloy Structural Steel Plates for Bridges

PART 2 PRODUCTS

2.1 MATERIALS

- A. Portland Cement Concrete: Class AA(AE). Refer to Section 03055.
- B. Cement: Refer to Section 03055.
- C. Reinforcing Steel (Coated): Refer to Section 03211.

- D. Structural Steel: Galvanize after fabrication.
 - 1. AASHTO M 270, Grade 36.
 - 2. AASHTO M 111.
- E. Precast Concrete Catch Basin: Avoid when the plans indicate that the catch basins are to be constructed within an existing concrete approach slab.

PART 3 EXECUTION

3.1 PREPARATION

- A. Concrete Removal:
 - 1. Make saw cuts 1 inch deep to define the work areas.
 - 2. Remove concrete using 90 pound class hand-operated jackhammers or smaller.
- B. Reinforcing Steel:
 - 1. Cut steel encountered during concrete removal operations so that the final catch basin opening is unencumbered as shown on the plans.
 - 2. To tie the new facility into the existing approach slab: Expose a minimum of 10 inches of reinforcing steel in both the bottom and upper mats of approach slab steel on at least three sides of the catch basin.
- C. Excavation:
 - 1. Excavate sufficient material to construct the catch basin to the required size and depth.

3.2 CONSTRUCTION

- A. Construct catch basin according to plan dimensions and details.
- B. Adjust catch basin location for better drainage performance where necessary as directed by the Engineer.
- C. Provide for proper outlet connection to the pipe in the side of the box. Refer to Section 02610.

END OF SECTION