SECTION 02624

APPROACH SLAB CATCH BASIN

PART I 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: Structural Steel for Bridges.

PART 2 PRODUCTS

2.1 MATERIALS

A. Portland Cement Concrete: Class AA(AE). Refer to Section 03055, Part 2.

B. Cement: Refer to Section 03055, Part 2.

C. Reinforcing Steel (Coated): Refer to Section 03211, Part 2.

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