

SP759 (05-1909-22-11)

(This Section requires SP440, ~~and SP2440, and SP2630.~~
Requires SP2510 for reinforcement.
Require SP2830 for handrail.)

SECTION 00759 - MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project but make necessary modifications to only include project specific specifications. Delete specifications that do not apply to the project.)

(Use the following lead-in paragraph when subsections 00759.00, .10, .52, .53, .54, .80, and .90 are NOT included in the project.)

Comply with Section 00759 of the Standard Specifications.

(Use the following lead-in paragraph when subsections 00759.00, .10, .52, .53, .54, .80, or .90 are included in the project.)

Comply with Section 00759 of the Standard Specifications modified as follows:

(Use one or both of the following subsection .00's as appropriate.)

[Use this subsection .00 when metal handrail is required.]

00759.00 Scope - Replace this subsection, except for the subsection number and title, with the following:

This work consists of furnishing, placing and finishing commercial grade concrete curbs, islands, traffic separators, driveways, walks, monolithic curb and sidewalks, miscellaneous surfaces, and stairs and furnishing and installing metal handrail in close conformity to the lines, grades and dimensions shown or established. The commercial grade concrete items in this Section will be collectively referred to as "structures".

[Use this subsection .00 on projects that have only retrofitting existing sidewalks or existing sidewalk ramps with new sidewalk ramps. Do not use on projects that have other new sidewalk construction. Delete the subsection number and title if it is included above.]

00759.00 Scope - Add the following:

This work consists of removing existing concrete walks and curbs, and constructing new portland cement concrete sidewalk ramps with curbs.

(Use the following subsections .10, .52, .53, .54, and .80 when metal handrail is required.)

[Begin subsections]

00759.10 Materials - Replace the metal pipe handrail line with the following line:

Metal Handrail02830

00759.52 Metal Handrail - Fabricate and assemble free standing and bolted down metal handrail as shown.

00759.53 Welding - Welding, welder qualifications, prequalification of weld details and inspection of welds shall conform to AWS D1.1. Submit all welding procedure specifications to the Engineer for approval.

00759.54 Bolt Holes:

(a) Punched Holes - Use a die with a diameter not exceeding the diameter of the punch by more than 1/16 inch. Ream any holes that are required to be enlarged to admit the anchor bolts. Make clean cut holes without torn or ragged edges.

(b) Accuracy of Punched Holes - Locate all holes punched full size so accurately that when multiple anchor plates are stacked with the edges even, a cylindrical pin 1/8 inch smaller in diameter than the nominal size of the punched hole may be entered perpendicular to the face of the plate without drifting in each of the connecting holes in the same plane. Non-conforming pieces will be rejected.

00759.80 Measurement - Replace the length basis bullet with the following bullet:

- **Length Basis** - Measurement of concrete items will be along the face of the structure, from end to end including curb tapers or depressed lengths at driveways and ramps. Measurement of metal handrail will be along the top rail member, from center of end post to center of end post.

[End subsections]

(Use the following subsection .90 when adding pay items. Delete items that do not apply. Include pay item (l) on projects that have only retrofitting existing sidewalks or existing sidewalk ramps with new sidewalk ramps. Do not use pay item (l) on projects that have any other new sidewalk construction.)

00759.90 Payment - Add the following pay items:

Pay Item	Unit of Measurement
(k) Concrete Driveway Connections.....	Square Foot
(l) Concrete Sidewalk Ramps.....	Each
(m) Metal Handrail, ____ Rails.....	Foot

(Use the following paragraphs when pay item (l) is included in the project.)

Delete the paragraph that reads "Items (e) and (f) include sidewalk ramps."

Add the following paragraph:

Item (l) includes saw cutting and removing existing concrete walks, curbs, or ramps, and replacing them with new sidewalk ramps and curbs.

(Use the following paragraph when pay item (m) is included in the project.)

In item (m), the number of rails will be inserted in the blank.