



SUPERSEDED BY EB 21-057 EFFECTIVE 11/24/21		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 96-008
Title: GALVANIZED STEEL END SECTIONS AND POLYMER COATED STEEL PIPES			
Distribution: <input type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33) <input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Consultants (34) <input checked="" type="checkbox"/> Local Govt. (31) <input type="checkbox"/> Contractors/AGC (39) <input checked="" type="checkbox"/> Regions/Agencies (32) <input type="checkbox"/> _____ ()		Approved:  <hr/> P. J. Clark, Deputy Chief Engineer, Design Div. <u>2/27/96</u> <div style="text-align: right;">Date</div>	

EFFECTIVE DATE:

The affected pay items are disapproved effective with the letting of July 11, 1996.

If time permits within the project schedule, designers are encouraged to implement these changes earlier.

PURPOSE:

This EI serves the following purposes:

1. Simplifies the pay item selection process for galvanized steel end sections by disapproving those English and Metric pay items which are repetitive.

In English, Item Numbers "603.19XX Galvanized Steel End Sections Pipe (3x1 or 5x1)" and "603.79XX Galvanized Steel Pipe End Sections (Options) (2 2/3x1/2) or (3x1) or (5x1)" provide the same type of end section as "603.17XX Galvanized Steel End Sections Pipe (2 2/3x1/2)". The corrugation designation associated with the pay item is misleading because the same end section is provided regardless of corrugation (2 2/3x1/2, 3x1, or 5x1). Designers should use Item Number 603.17XX (English) or 603.17XX M (Metric) when a galvanized steel end section is desired for use with corrugated steel pipe.

2. Disapproves 18 gage polymer coated steel pipe (2 2/3x1/2, and 68x13 corrugation) - item numbers 602.05xx50 and 602.05xx50 M. (The anticipated service life of this material does not meet the design life criteria, found in Chapter 8 of the Highway Design Manual on Figure 8A., for open or closed drainage applications.)

AFFECTED PAY ITEMS:

The following Standard Contract Pay Items are disapproved:

- 603.1930, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 36 inch dia., 14 gage
- 603.1936, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 42 inch dia., 12 gage
- 603.1941, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 48 inch dia., 12 gage
- 603.1946, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 54 inch dia., 12 gage
- 603.1951, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 60 inch dia., 12 gage
- 603.1952, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 60 inch dia., 10 gage
- 603.1956, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 66 inch dia., 12 gage
- 603.1957, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 66 inch dia., 10 gage

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603.1961, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 72 inch dia., 12 gage
603.1962, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 72 inch dia., 10 gage
603.1966, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 78 inch dia., 12 gage
603.1967, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 78 inch dia., 10 gage
603.1971, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 84 inch dia., 12 gage
603.1972, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 84 inch dia., 10 gage
603.1977, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 90 inch dia., 10 gage
603.1982, Galvanized Steel End Sections - Pipe (3 in x 1 in Corrugations), 96 inch dia., 10 gage

603.7901 through 603.7916, inclusive, Galvanized Steel Pipe End Sections (Options) (2 2/3 x 1/2) or (3 x 1) or (5 x 1), all diameters and gages.

602.050850, Corrugated Steel Pipe (2 2/3x1/2), 12 in. dia., 18 gage, Polymer Coated
602.051050, Corrugated Steel Pipe (2 2/3x1/2), 15 in. dia., 18 gage, Polymer Coated
602.051350, Corrugated Steel Pipe (2 2/3x1/2), 18 in. dia., 18 gage, Polymer Coated
602.051650, Corrugated Steel Pipe (2 2/3x1/2), 21 in. dia., 18 gage, Polymer Coated
602.051950, Corrugated Steel Pipe (2 2/3x1/2), 24 in. dia., 18 gage, Polymer Coated

The following Standard Contract Metric Pay Items are disapproved:

603.1930 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 900 mm dia., 14 gage
603.1936 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 1 000 mm dia., 12 gage
603.1941 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 1 200 mm dia., 12 gage
603.1946 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 1 400 mm dia., 12 gage
603.1951 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 1 600 mm dia., 12 gage
603.1952 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 1 600 mm dia., 10 gage
603.1961 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 1 800 mm dia., 12 gage
603.1962 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 1 800 mm dia., 10 gage
603.1966 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 2 000 mm dia., 12 gage
603.1967 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 2 000 mm dia., 10 gage
603.1971 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 2 200 mm dia., 12 gage
603.1972 M, Galvanized Steel End Sections - Pipe (75x25 or 125x25), 2 200 mm dia., 10 gage

603.7904 M through 603.7908 M, inclusive, Galvanized Steel Pipe End Sections (Options) (68x13) or (75x25) or (125x25), all diameters and gages.

602.050850 M, Corrugated Steel Pipe (68x13), 300 mm dia., 18 gage, Polymer Coated
602.051050 M, Corrugated Steel Pipe (68x13), 400 mm dia., 18 gage, Polymer Coated
602.051350 M, Corrugated Steel Pipe (68x13), 450 mm dia., 18 gage, Polymer Coated
602.051650 M, Corrugated Steel Pipe (68x13), 500 mm dia., 18 gage, Polymer Coated
602.051950 M, Corrugated Steel Pipe (68x13), 600 mm dia., 18 gage, Polymer Coated

CONTACT:

Questions regarding this Engineering Instruction should be directed to Norman Schips in the Design Quality Assurance Bureau. He may be reached at 518-485-8611.