

SUPERSEDED BY EB 15-031 EFFECTIVE 9/28/15		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 08-048
Title: REVISIONS TO STANDARD SPECIFICATIONS 655 - MEASUREMENT OF FRAMES, GRATES, AND COVERS			
Distribution: ☒ Manufacturers (18) ☐ Surveyors (33) ☒ Local Govt. (31) ☒ Consultants (34) ☒ Agencies (32) ☒ Contractors (39)		Approved:  Daniel D'Angelo, P.E. Deputy Chief Engineer, Design 12/19/08 Date	

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of 05/07/09.
- This EI does not supersede any other issuances.
- These revisions will be incorporated into a future update of the Standard Specifications.

PURPOSE: The purpose of this EI is to change the existing method of measurement under Frames and Grates from a payment area to an “each” unit pay item.

TECHNICAL INFORMATION: This EI is being concurrently issued with EB 08-049 which announces the revised standard sheets for item 655. Revised standard sheets are needed to institute the specification revisions.

IMPLEMENTATION: Beginning with projects submitted for the letting of 05/07/09, the Design Quality Assurance Bureau (DQAB) will insert the attached shelf note into contract proposals containing section 655 items. The following items are hereby disapproved.

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
655.0101	Frames and Grates (Castings)	Square Meter
655.0201	Frames and Grates (Fabricated)	Square Meter
655.0301	Frames and Grates (Parallel Bar Type)	Square Meter
655.0401	Frames and Grates (Parallel Bar Type with Cast Frames)	Square Meter
655.0501	Steel Fabricated Grates In Cast Frames	Square Meter
655.0601	Telescoping Manhole Frames and Covers	Square Meter
655.01010163	Frames and Grates (Castings) Emergency Standby Contract	Square Meter
655.02010163	Frames and Grates (Fabricated) Emergency Standby Contract	Square Meter
655.05 10	Frames and Covers for Sanitary Sewer Manholes	Square Meter
655.05010163	Steel Fabricated Grates in Cast Iron Frames, Emergency Standby Contract	Square Meter

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To reapprove above special specifications, resubmit with pay unit changed from square meters to each.

For a list of new items approved, please check the attached shelf notes.

TRANSMITTED MATERIALS: This EI transmits standard specification shelf notes for Section 655 – Frames, Grates and Covers in both Metric and U.S. Customary units.

BACKGROUND: The change in the method of measurement will allow contractors to more accurately reflect their costs for 655 items. Previously the method of measurement for 655 items was based on predesignated areas for the frames and grates. Now they would be measured per frame and grate installed, making the quantity calculations easier.

CONTACT: For additional information contact Neil Sergott of the Design Quality Assurance Bureau at (518)-485-5106, nsergott@dot.state.ny.us.

Frames, Grates and Covers

Make the following changes to the Standard Specifications of May 4, 2006:

Pg. 654 Delete 655-4 METHOD OF MEASUREMENT & 655-5 BASIS OF PAYMENT in their entirety and replace them with the following:

"655-4 METHOD OF MEASUREMENT

655-4.01 Frames and Grates. The quantity to be measured for payment will be the number of frames and grates satisfactorily installed.

655-5 BASIS OF PAYMENT

655-5.01 Frames and Grates. The unit price bid for each frame and grate shall include the cost of furnishing all labor, materials and equipment necessary to satisfactorily complete the work, including the cost of any field repair work for improperly fitting castings or to render the frame and grate non-rocking.

Payment will be made under:

<i>Item No.</i>	<i>Item Description</i>	<i>Pay Unit</i>
655.0701	Cast Frame F1, Mountable Curb Box CM1 & Reticuline Grate G1	Each
655.0702	Cast Frame F2, Mountable Curb Box CM2 & Reticuline Grate G2	Each
655.0703	Cast Frame F3, Mountable Curb Box CM3 & Reticuline Grate G3	Each
655.0704	Cast Frame F1, UnMountable Curb Box CU1 & Reticuline Grate G1	Each
655.0705	Cast Frame F2, UnMountable Curb Box CU2 & Reticuline Grate G2	Each
655.0706	Cast Frame F3, UnMountable Curb Box CU3 & Reticuline Grate G3	Each
655.0801	Cast Frame F1, Mountable Curb Box CM1 & Parallel Bar Grate 6 PCB	Each
655.0802	Cast Frame F2, Mountable Curb Box CM2 & Parallel Bar Grate 7 PCB	Each
655.0803	Cast Frame F3, Mountable Curb Box CM3 & Parallel Bar Grate 8 PCB	Each
655.0804	Cast Frame F1, UnMountable Curb Box CU1 & Parallel Bar Grate 6 PCB	Each
655.0805	Cast Frame F2, UnMountable Curb Box CU2 & Parallel Bar Grate 7 PCB	Each
655.0806	Cast Frame F3, UnMountable Curb Box CU3 & Parallel Bar Grate 8 PCB	Each
655.0901	Parallel Bar Frame 10 PCB & Parallel Bar Grate 10 PCB	Each
655.0902	Parallel Bar Frame 11 PCB & Parallel Bar Grate 11 PCB	Each
655.0903	Parallel Bar Frame 12 PCB & Parallel Bar Grate 12 PCB	Each
655.1003	Welded Frame & Rectangular Grate 3	Each
655.1006	Welded Frame & Rectangular Grate 6	Each
655.1011	Welded Frame & Rectangular Grate 11	Each
655.1016	Welded Frame & Rectangular Grate 16	Each
655.1022	Welded Frame & Rectangular Grate 22	Each
655.1103	Welded Frame & Reticuline Grate 3	Each
655.1106	Welded Frame & Reticuline Grate 6	Each
655.1111	Welded Frame & Reticuline Grate 11	Each
655.1116	Welded Frame & Reticuline Grate 16	Each
655.1122	Welded Frame & Reticuline Grate 22	Each
655.1201	Manhole Frame & Grate	Each
655.1202	Manhole Frame & Cover	Each
655.1301	Telescoping Manhole Frame & Grate	Each
655.1302	Telescoping Manhole Frame & Cover	Each"

Frames, Grates and Covers

Make the following changes to the Standard Specifications of May 1, 2008:

Pg. 689-690 Delete 655-4 METHOD OF MEASUREMENT & 655-5 BASIS OF PAYMENT in their entirety and replace them with the following:

"655-4 METHOD OF MEASUREMENT

655-4.01 Frames and Grates. The quantity to be measured for payment will be the number of frames and grates satisfactorily installed.

655-5 BASIS OF PAYMENT

655-5.01 Frames and Grates. The unit price bid for each frame and grate shall include the cost of furnishing all labor, materials and equipment necessary to satisfactorily complete the work, including the cost of any field repair work for improperly fitting castings or to render the frame and grate non-rocking.

Payment will be made under:

<i>Item No.</i>	<i>Item Description</i>	<i>Pay Unit</i>
655.0701	Cast Frame F1, Mountable Curb Box CM1 & Reticuline Grate G1	Each
655.0702	Cast Frame F2, Mountable Curb Box CM2 & Reticuline Grate G2	Each
655.0703	Cast Frame F3, Mountable Curb Box CM3 & Reticuline Grate G3	Each
655.0704	Cast Frame F1, UnMountable Curb Box CU1 & Reticuline Grate G1	Each
655.0705	Cast Frame F2, UnMountable Curb Box CU2 & Reticuline Grate G2	Each
655.0706	Cast Frame F3, UnMountable Curb Box CU3 & Reticuline Grate G3	Each
655.0801	Cast Frame F1, Mountable Curb Box CM1 & Parallel Bar Grate 6 PCB	Each
655.0802	Cast Frame F2, Mountable Curb Box CM2 & Parallel Bar Grate 7 PCB	Each
655.0803	Cast Frame F3, Mountable Curb Box CM3 & Parallel Bar Grate 8 PCB	Each
655.0804	Cast Frame F1, UnMountable Curb Box CU1 & Parallel Bar Grate 6 PCB	Each
655.0805	Cast Frame F2, UnMountable Curb Box CU2 & Parallel Bar Grate 7 PCB	Each
655.0806	Cast Frame F3, UnMountable Curb Box CU3 & Parallel Bar Grate 8 PCB	Each
655.0901	Parallel Bar Frame 10 PCB & Parallel Bar Grate 10 PCB	Each
655.0902	Parallel Bar Frame 11 PCB & Parallel Bar Grate 11 PCB	Each
655.0903	Parallel Bar Frame 12 PCB & Parallel Bar Grate 12 PCB	Each
655.1003	Welded Frame & Rectangular Grate 3	Each
655.1006	Welded Frame & Rectangular Grate 6	Each
655.1011	Welded Frame & Rectangular Grate 11	Each
655.1016	Welded Frame & Rectangular Grate 16	Each
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655.1116	Welded Frame & Reticuline Grate 16	Each
655.1122	Welded Frame & Reticuline Grate 22	Each
655.1201	Manhole Frame & Grate	Each
655.1202	Manhole Frame & Cover	Each
655.1301	Telescoping Manhole Frame & Grate	Each
655.1302	Telescoping Manhole Frame & Cover	Each"