

**CITY OF DETROIT**  
**SPECIAL PROVISION**  
**FOR**  
**DR STRUCTURE COVER, MODIFIED**

**1 of 2**

DET: NH, AA

**Revised: 08.22.06**

Existing catch basins, manholes, handholes, gate valve wells and other similar structures, which are located within the area of the proposed pavement or existing pavement which is to be retained, that have defective or worn frames and covers, on structures which are to remain in service, shall have new frames and covers supplied and installed by the Contractor.

Catch basin and manhole frames and covers shall be gray iron casting, A.S.T.M. A48, Class No. 3013. Castings shall be sound, true to form and thickness, clean and neatly finished. The seating face on covers and grates and the corresponding seat on the frame shall be machine finished so that there will be even bearing at all points with no rocking or tilting. The frame and its cover or grate shall constitute one unit. Each unit shall conform to the detailed requirement of the respective Standard Drawings.

The castings for catch basins shall be as follows:

Cover	115 Pounds
Frame	Neenah Catalog No. R-3448-B, R-3448-C, East Jordan Catalog Noy 5000, 5080, or equal by Bibby Saint Croix or Approved Equal

The castings for drainage manholes shall be as specified in the Material Section of the Special Provision for Drainage Structures and the Standard Plan for Manhole Frame and Cover. .

The castings for gate valve wells shall be as specified in the Standard Plan for Gate Well Frame and Cover Standard Plan A 120-234

The castings for Public Lighting Commission (PLC) manholes shall be as specified in the Standard Plan for P.L.C. Pattern No. 2A Street Type Cover.

Shop drawings for the catch basin frames detailing all dimensions shall be submitted to the Engineer for approval. No frames except those manufactured in conformance with the approved shop plans will be permitted to be used on the project.

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Catch basin and manhole frames and covers shall be set in a full bed of mortar on the top of the existing structure wall at such elevation that when the structure cover is set in place the complete unit of frame and cover will be at the required finish or final surface grade. The cover shall so fit the frame that no rattling occurs under traffic loadings. If rattling does occur, the frame and/or cover shall be machined so as to eliminate the rattling.

**METHOD OF MEASUREMENT AND BASIS OF PAYMENT**

Catch basin and manhole frames and covers will be measured as "Dr Structure Cover, Modified" and paid for per Pound. The Contract Unit Price shall be payment in full for furnishing and installing the required frames, covers and fittings complete.

The additional labor, material, and equipment required to install the frames and covers shall not be paid for separately.

Pay Item

Dr Structure Cover, Modified

Pay Unit

Pound