

SECTION 414 -- HIGH MAST LOWERING SYSTEMS

414.01 -- Description

The Contractor shall furnish and install a new high mast lowering system on a new or existing tower as indicated in the plans. This work shall include a headframe, headframe cover, luminaire support ring, bracket arms, hoist winch and winch cables, hoist cables, internal power unit, and all labor, equipment, tools, and incidentals necessary to complete the work.

414.02 -- Material Requirements

High mast lowering systems shall be on the NDR Approved Products List.

414.03 -- Construction Methods

1. The Contractor shall install the new high mast lowering system on a new or existing tower in accordance with the manufacturer's instructions and recommendations.
2. Installation of a new high mast tower lowering system may require some modification to the tower. Modifications shall be made as detailed in the plans or as directed by the Engineer.
3. The installation of an approved lowering system shall be under the direct supervision of a qualified representative of the manufacturer. The manufacturer's representative shall be on site to advise the Contractor during the installation of at least one complete assembly. Duties of the manufacturer's representative shall include, but not be limited to, the following:
 - a. Directing all adjustment to the lowering system to insure positive latching and unlatching. This will consist of a minimum of 3 complete raising and lowering cycles without malfunction.
 - b. Educating the maintaining utility and/or NDR personnel in the methods of proper maintenance to avoid lowering system malfunctions together with the proper procedures to follow in the event of a malfunction.

414.04 -- Method of Measurement

High mast lowering systems, furnished and installed on existing high mast towers, will be measured by the each.

414.05 -- Basis of Payment

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| 1. | <u>Pay Item</u> | <u>Pay Unit</u> |
| | High Mast Lowering System, Type _____ | Each (ea) |
2. A high mast lowering system furnished by the Contractor and installed on a new tower will not be paid for directly, but will be considered subsidiary to the new high mast tower.

3. Payment is full compensation for all work prescribed in this Section.