

# Pipe Stringing and Material Handling

## STD.8705

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### Scope

This standard provides Enterprise (Company) requirements for pipe stringing and material handling. These requirements shall apply to handling, hauling, racking, and stringing of line pipes and casings by Company forces or by other parties constructing to Company standards.

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## 1.0 TERMS AND DEFINITIONS

**Company** – Enterprise (if used in connection with a contract or other agreement, the actual Enterprise entity will be the specific Enterprise entity referenced in the contract).

**Company Representative** - Representative for Company to visually inspect work (i.e. inspector).

**Contractor** – Entity contracted to provide services for the Company.

## 2.0 UNLOADING AND RACKING (PIPE AND CASING)

### 2.1. General

Unless otherwise stated in the Scope of Work, the Contractor shall unload and rack pipe and casing. The Contractor shall furnish any and all permits for unloading and hauling.

### 2.2. Pipe Yards

The Company, at its discretion, will provide storage yards. If necessary, the Contractor shall haul pipe to yards which are not adjacent to unloading areas in accordance with this section. The Contractor shall comply with all agreements or special provisions made by the Company with the yard owner. A Company Representative shall be present during tally. If requested by Company, or is specifically required by the Scope of Work, the Contractor shall cooperate and assist in obtaining a complete and accurate tally of pipe. The Company shall keep the Contractor informed about movement of pipe and the Contractor shall unload all pipes promptly.

### 2.3. Handling or Unloading

The Contractor shall handle all pipes with brass, aluminum, or neoprene-lined hooks to avoid damage to beveled ends, and shall handle all thin film-coated pipe with padded hooks, slings, forks, etc. Padding may be rubber, Teflon, neoprene, or equal to eliminate any pipe contact with truck bolsters or other hard surfaces. All hooks, padding, slings, tie-down lines, etc., shall meet with Company approval. Vehicles hauling coated pipe (excluding concrete coated) shall have fenders or other protection to prevent mud and rocks from being thrown upon the pipe, damaging the coating. All Contractor personnel should keep to a safe distance during handling/unloading operation, unless directly involved with the task.

### 2.4. Racking

Pipe shall be racked on padded (rubber tires, Celotex board or equal) timber skids or earth berms to keep joint ends clear of the ground and out of water. Earth berms shall be covered with 10 mil polyethylene. The Contractor shall submit a racking plan to Company for approval based on pipe diameter, wall thickness, and grade. In general, pipe shall not be racked more than six joints or a maximum of ten feet in height. Bare pipe racked for longer than six months duration shall not be nested but shall have divider strips and 2 by 6 feet hardwood between tiers. Coated pipe shall be shipped from the mill with a minimum of three full encirclement padding strips (rubber tires, paper board or equal). These strips shall be left in place on the rack and during hauling or be replaced by the Contractor. Large diameter weight-coated pipe shall not be stacked.

### 2.5. Cleanup

The Contractor shall dispose of all banding material and dunnage from rail cars or other carriers in a manner acceptable to the Company and clean up the unloading area.

## 3.0 HAULING AND STRINGING

### 3.1. General

The Contractor shall haul and string pipe, casing, and other materials to the right-of-way or work area. The Contractor shall provide all necessary trucks and equipment for the hauling and unloading of all materials.

### 3.2. Stringing

- 3.2.1.** The Contractor shall place pipe on skids on the right-of-way in a manner that keeps both ends free of dirt and debris. Thin film coated pipe shall require a padding strip to keep coated pipe from coming in contact with skids. The Contractor shall furnish skids and padding material (rubber tires, Celotex board, sand-filled sacks, or equal). Earth berms in place of skids shall meet with approval of the Company. Gaps shall be left between adjacent lengths of pipe at suitable intervals and at well-defined trails to permit the free passage of livestock or vehicles during the interval between stringing and other construction activities.
- 3.2.2.** The Contractor shall properly support welded pipe strings, completed and readied for lowering-in, utilizing skid cribbing that is adequately spaced for the pipe OD to ensure the stability of the pipe section. At a minimum, supports on each end of a pipe string, as well as every fifth support fabricated along the length of the string, must be crotched to provide lateral restraint for the pipe. The Company, at its discretion, may require additional support depending on the terrain, soil stability and environmental conditions.

### 3.3. Line Pipe Pups

Contractor shall utilize pipe pups a minimum of 5 diameters for 24 inches OD pipe and greater, and a minimum of 10 feet for pipe less than 24 inches OD.

### 3.4. Surplus Pipe

The Contractor shall tally and haul all surplus pipe and casing to a Company designated yard and rack it as directed by the Company Representative.

### 3.5. Unloading and Storage of Materials (Excluding Pipe) Furnished by the Company

Principal materials that are furnished by the Company will be delivered to the Contractor Free On Board (F.O.B.) delivery points or storage lots and warehouses along the route as may be determined by the Company and shown on a "Schedule of Material Deliveries" to be furnished by the Company to the Contractor.

The Contractor shall keep the Company informed of the locations of its unloading gangs so that the Company may place Company Representative at points where the Contractor is unloading materials furnished by the Company. Upon arrival at delivery points, material shall be checked for quantity and condition by representatives of both the Contractor and the Company. The representatives making such checks shall make written record of the quantity and condition of the material, and upon completion, the record shall be signed by both parties. If material is received in damaged condition, an inspection must be made by an agent of the carrier before unloading or removal of material and a report of the inspection shall be prepared and forwarded to the Company. The Contractor shall unload all materials furnished by the Company promptly upon the arrival of materials at the predetermined locations along the route of said pipeline.

## ATTACHMENT: REVISION LOG

Revision 0.0			Publish Date: 24 Jun 11
Location of Change	Type of Change	Reason for Change	
N/A	N/A		
Revision 1.0			Publish Date: 31 Jan 17
Location of Change	Type of Change	Reason for Change	
Section 1.2	Addition	Added phrase "If requested by Company, or is specifically required by the Scope of Work..."	
Section 1.3	Addition	Added sentence "All Contractor personnel should keep to a safe distance during handling / unloading operation, unless directly involved with the task."	
Section 1.4	Addition	Added phrases "The Contractor shall submit a racking plan to Company for approval based on pipe diameter, wall thickness, and grade. In general..."	
Section 2.5	Revision	Revised phrase "materials at the several stations along the route" to "materials at the pre-determined locations along the route..."	
Revision 2.0			Publish Date: 04 Sep 20
Location of Change	Type of Change	Reason for Change	
Section 1.0	Addition	Added a Terms and Definition Section. The section numbering following this addition were all adjusted.	
Section 3.2 (was 2.2)	Revision	Kept original section 3.2 as paragraph 3.2.1 and added paragraph 3.2.2 to add minimum Contractor requirements needed to properly support welded pipe that is strung ditch-side awaiting lowering-in.	