



## Iowa Department of Transportation

### SPECIAL PROVISIONS FOR TEMPORARY PUMPING

Pottawattamie County  
IMN-029-3(126)48--0E-78

Effective Date  
May 15, 2012

THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

#### **090206.01 DESCRIPTION.**

Furnishing all material, equipment, and labor and for performance of all work necessary for pumping storm drainage over Temporary Ring Levees 1042 and 1064.

#### **090206.02 MATERIALS.**

##### **A. General.**

1. Provide and remove all equipment necessary for pumping storm drainage over Temporary Ring Levees 1042 and 1064.
2. Temporary pumping may include, but not limited to, pumps, pumping accessories and equipment, pipelines for water disposal, rock or gravel placement, or any combination.
3. Provide a temporary 6 inch by 6 inch pump with adequate capacity, 1200 gallons per minute minimum, to control local storm drainage.
4. The temporary pump must be able to discharge over the temporary ring levee at the minimum discharge capacity.
  - a. Refer to the plans for ring levee elevations.
  - b. Pump losses shall be included in addition to head requirements when computing the pump system output.

##### **B. Temporary Pump.**

1. The pump shall be designed and manufactured by a firm that is regularly engaged in the manufacture of the type of pump described in these specifications.

2. Associated pumping equipment including, but not limited to, electrical controls and instrumentation shall be suitable for outdoor operation.
3. The pump shall be capable of operating without instability over the required range of head.
4. The design, manufacture and installation of the discharge piping shall be in accordance with the pump manufacturer's instructions. For purposes of performance and this specification it shall be treated as part of the pumping unit. The discharge piping shall be of such size to accommodate the dimensions of the pump supplied in accordance with the manufacturer's requirements.
5. Performance of the pump shall be determined from the manufacturer's discharge curves over a range of total heads.

**090206.03 CONSTRUCTION.**

**A. Pumping.**

1. Conform with all city, county, state and federal requirements and obtain permits for the control and discharge from temporary pumping operations.
2. Coordinate with Contracting Authority and governmental bodies.
3. Secure all necessary permits to complete the requirements of this Section.
4. Dispose of water in a suitable manner to prevent scour and other damage of the existing, proposed and temporary levee embankments.
5. Dispose of water in a suitable manner to prevent scour and other damage to adjacent property.
6. Operate pump as necessary to control local storm drainage and prevent upland flooding during construction, operation and removal of the temporary ring levee.

**B. Delivery, Storage, Handling.**

The pump will be inspected for damage or other distress when received at the project site. Follow the manufacturer's recommendations for handling of the pump.

**090206.04 METHOD OF MEASUREMENT.**

Lump sum. No method of measurement.

**090206.05 BASIS OF PAYMENT.**

- A. Payment will be the Lump Sum contract price.
- B. Payment for Temporary Pumping will be full compensation for furnishing all material, equipment, and labor and for performance of all work necessary for pumping storm drainage over the temporary ring levees and into Mosquito Creek.