Joplin, Missouri - Shoal Creek **Raw Water Pump Station**

Missouri American Water Company

4160 Volt Motor Control Center being assembled. Each half of the building had its own set of pumps and controls with separate power feeds for complete redundancy.

Building halves being assembled on shop floor.

First of two building halves being lifted an placed on top of the intake structure. The low roof portion is the electrical room and is separate from the pump room.

Shop assembly of mechanical components including pump check valves and isolation valves and the discharge header.

One building half in fabrication.

Project Data

Project Scope:

Transmit raw water from the Shoal Creek intake structure to the water treatment intake point.

Capacity - 36.0 mgd at total station flow with five pumps running at build-out.

Prefabricated, Factory-Built Duplex (2 buildings connected) Booster Pump Station with five installed raw water pumps and one future raw water pump: two 5560-gpm, one 4170-gpm, two 2780-gpm and one 4170-gpm for future addition; with all mechanical components and electrical systems installed in two, 14'- 0" x 47' - 0" x 11' - 6" buildings with base structure.

Design: Booster Station Design by Engineered Fluid, Inc.

Project Inception: June 2006

Order Date: September 2006

Installed Date: February 2007

Start-up Date: March 2007

Completed Shoal Creek Raw Water Pump Station with intake structure.

Participants

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