

# Ohio Department of Transportation Prebid Questions

Project No. 070441

Sale Date - 9/12/2007

Question Submitted: 8/21/2007

Question Number: 1

This job requires bidding on the services of a journeyman mill-wright. I was unable to find a definition of journeyman in the ODOT 2005 specifications. Please furnish a detailed definition of what ODOT will require.

**Journeyman level work in the trade of Millwright: A journeyman Millwright must have completed a 4 year apprenticeship program or have 5 years millwright work experience and have passed the Millwright Journeyman Qualification Test. TYPICAL DUTIES\* Installs, repairs, overhauls, removes and tests mechanical equipment such as pumps, motors, drive units, compressors, collector chains and sprockets, conveyors, heat exchangers and various piping systems. Erects, constructs and levels frameworks, foundations and anchors for equipment. Aligns frames, couplings, bearings, shafts, and various drives using assorted fastening devices and measurement indicators; identifies and connects external piping such as water supply, drains and lubrication hoses. Examines and diagnoses equipment for excessive vibration, temperature and speed and lubrication abnormalities under operating conditions; adjusts pulleys, belts and drive units as required. Installs and maintains hydraulic, pneumatic and specialty systems including heating, ventilating and air-conditioning equipment, chlorine systems and boilers; adjusts, repairs or replaces components such as pumps, accumulators, control valves, cylinders, control switches and safety devices. Performs boiler tests including testing water for hardness, dissolved solids, adds chemicals as required, testing humidity, analyzing flue gas and gauging pressure of gas pilots. Interprets layouts, drawings, blueprints and manufacturer's specifications. Prepares sketches and diagrams; estimates materials and labour requirements for specific jobs. Performs related duties as required. KNOWLEDGE, ABILITIES AND SKILLS Considerable knowledge of the standard methods, practices, materials, tools and equipment of the millwright trade. Knowledge of the occupational hazards and safety precautions applicable to the work of the trade. Ability to understand and execute oral and written instructions and to interpret technical plans and specifications. Spatial perception to visualize from drawings and sketches sequences of parts assembly and relative positions of machinery components; coordination and manual dexterity to accurately assemble parts, make fine adjustments and use precision measuring techniques. Skill in the use and care of a variety of hand and power tools and equipment of the trade. TRAINING AND EXPERIENCE REQUIREMENTS Job Level - Certified Journeyman in the trade of Millwright. \* This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.**

Question Submitted: 8/29/2007

Question Number: 2

We are preparing a bid on this job. We plan to use ironworkers on items 1 through 5. We have done two similar ODOT jobs on the Port Clinton Drawbridge. Ottawa County 115-89 and 129-87. The ironworkers who did these jobs would be used on this job. Please advise if this is acceptable. Plan notes call for items 10 through 12 and 16 through 18 to be used when and if needed. This would be on work not included in items 1 through 5. Please advise if this is correct.

**A1) This is acceptable to the district. A2) This is correct.**

Question Submitted: 9/6/2007

Question Number: 3

Please provide the number and length of handrail sections needed at location #3. North trunion, levels B & C. We cannot find this information on the plans and the problem was not brought up at the pre-job inspection we attended Sept. 6, with 3 other contractors.

Question Submitted: 9/6/2007

Question Number: 4

1. ARE WE GOING TO LUBRICATE TRUNNION BEARINGS AND RACK AND PINION GEARS?2. ARE WE CHECKING AUXILIARY ENGINE OPERATION AT BEGINNING OF SEASON?3. ARE WE TO CHECK SPAN PROXIMITY SWITCHES SPAN LIMIT SWITCHES, TAIL STOP AND CENTER LOCK LIMIT SWITCHES BI-WEEKLY OR MONTHLY AS WE ARE CURRENTLY DOING AS PREVIOUSLY APPROVED?

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All prospective bidders, subcontractors, suppliers, materialmen and all others who have an interest in these prebid questions and answers are advised that these items are being provided for informational purposes only and are not part of the bidding documents. If a question warrants a clarification, the Department will issue an addenda addressing the request for clarification to all plan holders. If the Department believes that the bidding documents adequately address the request, the contractor will be advised accordingly.