

Addendum No. 3 Dated 6/3/13 to  
Laser Interferometer Gravitational Wave Observatory (LIGO)  
Facility Re-roofing Project FY 2013

The California Institute of Technology solicits bids in conformance with the instructions contained in Invitation to Bid No. LP-12b for the Reroofing Project at the LIGO Hanford Observatory located on Horn Road, Richland, Washington. The link is [C1301598-v2](#) or Contact Rudy Arvizu, Senior Contracting Officer, at [rarvizu@ligo.caltech.edu](mailto:rarvizu@ligo.caltech.edu)

Bids are to be received no later than 6/4/13, 2:00 pm local time.

- The email option is to Rudy Arvizu, Senior Contracting Officer, at [rarvizu@ligo.caltech.edu](mailto:rarvizu@ligo.caltech.edu) with copies to Ed Jasnow, LIGO Operations Subcontract Manager, [jasnow@ligo.caltech.edu](mailto:jasnow@ligo.caltech.edu) and John Worden, Technical Manager, [worden\\_j@ligo-wa.caltech.edu](mailto:worden_j@ligo-wa.caltech.edu) ; or
- Hard copy to the LIGO Hanford Observatory.

Interested parties are requested to contact (626) 395-4834 or [rarvizu@ligo.caltech.edu](mailto:rarvizu@ligo.caltech.edu)  
Invitation to Bid summary of addenda:

Addendum No. 3, dated 6/3/13

Replace Question/Answer No. 11 as follows:

Question No.11a      What specific lightning protection equipment must be procured? What quantities are needed?

Answer No. 11a      Provide and install new lightning arrestor tripods and the cable pads. Hardware from VFC Inc. 801-512-5824. Chuck Neve. The tripod pad count is 300 tripods. Part number A140-18AD (300 tripods), 140-24AD (5 tripods). The cable mount count is 1,942 (5,825 lf of cable at 3ft spacing) part number 262.

The requirement is to have a licensed electrician to perform the lighting protection system.

The requirement is to have all new tripods.

Add Question/Answer No. 17 and No. 18 as follows:

Question No.17      We have found out today that Firestone may not warrant for 30 years without tearing off our existing roof - which LIGO will NOT do.

Answer No. 17      It is the intention of the University and the Observatory to install a new roofing system by overlaying, and without tearing-off the existing roofing membrane. The primary purpose is to minimize the creation of dust and vibration that may affect ongoing operations within the buildings.

In order to facilitate this objective, Caltech will entertain bids from contractors and manufacturers who can provide a new roofing system that substantially complies with the technical and material details of the specification, but can also provide a 25-year warranty without removal of the existing roofing membrane.

Question No.18 Request clarification regarding the “Memorandum of Understanding Between the California Institute of Technology and the Central Washington Building and Construction Trade Council” agreement.

Article III – Employment, Paragraph A states that in filling craft job vacancies, utilize and be bound by the registration facilities and referral systems established or authorized by the Unions....”

If an open shop contractor wants to employ their own craftsmen, would he be allowed to do so as long as prevailing wages and fringe benefits are paid to the employee without the employee joining the union?

Answer No. 18 The answer is no. Article III Employment, is specific about the need for employees becoming union members.