Grade Staking for Road Construction

Tribal Technical Assistance Program
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Grade Staking for Road Construction Training Overview

Workshop Information

Being able to set, read, and interpret grade stakes is an essential part of any road construction project. This workshop will provide attendees with a solid foundation and understanding of the entire process of setting up the roadway construction project and building the roadway based on the engineer’s specifications.

In order for all attendees to get the most out of the training, class sizes are limited to 10 participants. Please note that there may be a minimum class size for this training. This workshop is spread out over three days, and access to a conference room, to a shop area, and to on-site/field areas is required. All attendees should have proper safety attire and personal protective equipment.

Workshop Cost

The cost of the workshop will be $300 per student.

Course Topics Covered

• How to set up a bench mark to work off of which gives a permanent point of beginning
• How to read grade stakes
• Explanation of stations on the road right of way
• Determining the center line of road, center line of ditch, cut, fill, offset in the ditch line, etc
• Stations - where to start your job, and where to finish
• How to read grade stakes
• How to read slope stakes

Equipment Needed

All attendees should have proper safety attire and personal protective equipment including a hard hat, safety glasses, safety vest, and proper shoes or boots.

In addition, the agency should provide the following:

• Laser or Grade Gun and a grade rod (standard or in tenths)
• Grade stakes
• 100 foot tape
• A good marking pen to mark on the grade stakes
• Classroom or conference room with access to a television or computer projector
• An outside work area to do the training

Workshop Instructor

John Lovato has worked in construction for nearly 40 years, and he’s been providing heavy equipment and safety training for the Michigan Tech TTAP since 1996.

How to Request Workshop

To request this training workshop for your agency, visit us online at <http://www.ttap.mtu.edu/index.php?p=workshop_request>, send an email to <ttap@mtu.edu>, or give us a call at 1-888-230-0688.