

Pre-Stage II Questions and Answers

1. Question: For the vehicle and rail systems, is a concrete foundation with anchoring bolts to be provided, or is installation meant to be on flat asphalt (or concrete?) and above ground only?

Answer: Portal monitors will be mounted to plates that will be weighted down on a flat concrete or asphalt surface. Installation will be above ground only.

2. Question: If an above-ground installation is preferred, will stakes and guy wires be permitted?

Answer: Guy wires are fine. Stakes won't work well on pavement (see above).

3. Question: Will an overhead conduit be acceptable for the vehicle and rail instruments?

Answer: Yes. From the testing point of view it makes no difference. Some actual SLD installations will have a problem with this, so it shouldn't be the only means of interconnecting the pillars.

4. Question: Will a fork-truck or overhead crane be available to unload and setup these larger instruments?

Answer: Yes. A crane is not anticipated to be used, but is available if necessary.

5. Question: Are all three installations inside or outside? Does this temporary installation need to be wind-proof?

Answer: The vehicle and train monitors will be outside and the pedestrian monitors will be inside if space is available. Pedestrian monitors may be tested outside so they need to be weatherproof in general. Portal monitors will be mounted to plates that will be weighted down on a flat concrete or asphalt surface. Wind can be a factor, so mounting brackets and hardware should be engineered for windy environments.

6. Question: Will a computer for reading output data be necessary to be supplied with each instrument? We understand that we are responsible for software.

Answer: LANL will read output data through the specified Ethernet port using their own PC.

7. Question: Since the set-up of the equipment is in three stages (for each type of equipment), are we also required to remove what was already tested prior to the next test? If not, when must we remove the equipment?

Answer: Space limitations at TA-18 will likely necessitate set-up of pedestrian, vehicle, and rail portal monitors at separate times. However, if space is available, pedestrian portals will be tested indoors, while vehicle and rail monitors will be tested outdoors. As such, for example, vehicle monitors will be removed from the test area prior to setup of the rail monitors. If necessary, the vendor may assist with removal of equipment from the test area.

NOTE TO VENDORS: As a reminder, please test your mounting system prior to shipping equipment to LANL. There have been problems in the past, and machine shop services are not available at LANL.