

Support for IPRF Project 04-2

1. Provide finished subgrade to IPRF requirements of target strength and grade. The extent of rework of existing material to be determined as part of the IPRF construction specifications, but not to exceed two feet in depth at any location. The existing material shall be characterized by surface CBR measurements and moisture measurements taken from Shelby tube samples. The CBR measurements shall be made at four randomly selected locations according to ASTM D3665-02 in each 100 ft long section of 60 ft wide subgrade material, except that transverse locations shall be 15 feet either side of the pavement centerline. Each additional lift of subgrade material shall be characterized by CBR measurements made at four randomly selected locations according to ASTM D3665-02 in each identifiable test item (where a test item consists of a length of 60-ft-wide pavement with uniform structure and uniform planned loading along its length), except that transverse locations shall be 15 feet either side of the pavement centerline. Each additional lift of subgrade material shall be accepted by the IPRF contractor when the CBR measurements for each test item meet the requirements established during previous subgrade construction at the NAPTF. These requirements are dependent on the target CBR and will be transmitted to the IPRF contractor after award of the IPRF contract.
2. Make available personnel, if requested by the IPRF, to help with selection and set up of pavement instrumentation sensors and data acquisition and processing systems. Assist, if requested by the IPRF, with the installation of pavement instrumentation sensors and associated equipment (such as wiring and terminations).
3. Provide equipment and personnel, if requested by IPRF, to make plate load measurements at the top of successive layers of pavement structure. For example, top of subgrade, top of existing slabs, top of overlay slabs.
4. Provide and operate the NAPTF test machine according to written statements of work from the IPRF contractor. The FAA shall also provide all supplies and maintenance. The statements of work shall include:
 - a. Number of wheels in each landing gear group (up to six wheels in dual-wheel pairs for each of two landing gear groups).
 - b. Wheel load to be applied to each dual-wheel pair in each test item.
 - c. Transverse positioning of each landing gear group during loading, including the wander pattern.
 - d. Test speed, but no greater than 3 mph (normal test speed to date has been 2.5 mph).
 - e. Target repetitions to failure for each test item.
 - f. Schedules for pavement inspection and testing.
5. Provide a heavy falling weight deflectometer (HWD) with operator for making HWD tests during pavement construction, during trafficking, and after trafficking has been completed. The HWD tests shall be done according to schedules and test plans provided by the IPRF contractor.

6. Facilitate access to the NAPTF during construction, testing, and after testing has been completed for the life of the IPRF contract for Project 04-2. The facilities and access shall include the following:
 - a. Provide office space, phone, etc. for one on-site person under contract to the IPRF contractor for Project 04-2.
 - b. Provide access to the testing facilities according to the established NAPTF regulations and under the supervision of NAPTF personnel.
 - c. Provide access to the NAPTF pavement area for construction of the test pavements. To the extent allowed by government regulations, the IPRF shall have full control of activities in the pavement area during construction of the test pavements.
 - d. Provide liaison and coordination with FAA Technical Center personnel with regard to regulations concerning safety, security, environment, site access, waste disposal, etc.
 - e. Provide copies of the appropriate documentation for conducting work at the FAA Technical Center.

Construction activities shall follow the appropriate government regulations with regard to, but not necessarily limited to, the following:

1. Davis-Bacon wage rates.
2. Liability insurance.
3. Bonding, and other types of indemnification against harm to the government.