



EQUIPMENT LOAN PROGRAM

In order to increase the likelihood of adoption of new technologies, the FHWA's Mobile Asphalt Technology Center (MATC) provides loans of laboratory and field equipment to the asphalt pavement community.

Why borrow from FHWA? Providing the opportunity for members of the asphalt paving community to trial technologies and test procedures can significantly increase the likelihood of adoption. By borrowing equipment, agencies and contractors don't have to front the resources to buy an expensive piece of equipment, only to potentially find that it may not meet their needs.

The standard equipment loan duration is limited to 2 months. Depending on both the need and current equipment availability, loan durations can often be extended upon request.



EQUIPMENT AVAILABLE FOR LOAN

- Paver-Mounted Thermal Profiler (PMTF) for mat temperature
- Pulse Induction Technology for mat thickness
- Dielectric Profiling System (DPS) for mat and joint density and DPS Calibration Kit
- Circular Track Meter (CTM) and Laser Texture Scanner (LTS) for surface macrotexture
- Jig sets for balanced mixture design testing for cracking potential (IDEAL-RT, I-FIT, or OT)
- SmartJig device (with software) for balanced mixture design cracking and rutting potential (IDEAL-CT and IDEAL-RT)
- X-Ray Fluorescence Spectrometer (XRF) for determining the elemental composition of asphalt binders
- Automatic Vacuum Sealing Device for specific gravity testing



In order to obtain additional information on the equipment listed above, please see the MATC website at

[HTTPS://WWW.FHWA.DOT.GOV/PAVEMENT/ASPHALT/MATC](https://www.fhwa.dot.gov/pavement/asphalt/matc)



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HOW DOES THE PROGRAM WORK?

Once a request is made through the FHWA Division Office's Pavement and Materials Engineer, the requester will receive a response within 10 business days. If available for loan, equipment will be shipped within 14 days. FHWA will ship the equipment to the requester. Please keep in mind that due to the popularity of the equipment loan program, there may be significant demand for certain types of equipment.

REQUIREMENTS TO BORROW THE EQUIPMENT

- Take good care of the equipment.
- Be willing to return it within a mutually agreed-upon time frame. If equipment is needed for a longer period, FHWA will do its best to accommodate the request; however, this is done on a case-by-case basis.
- Be willing to pay for shipping it back to FHWA or to the next equipment loan requester in queue.
- After the loan has ended, provide FHWA with feedback on your experience with the equipment by means of filling out a brief Equipment Loan Program survey.

CONTACTS

If you are interested in the equipment loan program, please contact:

Leslie Ann Myers, PhD, PE
MATC Program Manager / Senior
Asphalt Pavement Engineer, FHWA
leslie.myers@dot.gov
(202) 981-2875

Michael Huner, PE
MATC Project Manager, HTP
michael.huner.ctr@dot.gov
(202) 366-6606

In order to obtain additional information on the equipment loan process, please see the MATC website at

[HTTPS://WWW.FHWA.DOT.GOV/PAVEMENT/ASPHALT/MATC](https://www.fhwa.dot.gov/pavement/asphalt/matc)

Federal Highway Administration

Office of Preconstruction, Construction, and Pavements
FHWA Mobile Asphalt Technology Center (MATC)

Equipment Loan Request

Requester Name:

Organization:

Requester Email Address:

Requester Phone Number:

Equipment Requested:

Loan Duration Desired:

Loan Start Date Desired:

Please briefly describe your intent for the equipment that you are borrowing from the MATC:

ACTION ITEMS

- 1: Please email the signed form to Mr. Johnatan Gutierrez
- 2: Please copy the following individuals in your email to Mr. Gutierrez

EMAIL

j.gutierrez.ctr@dot.gov
leslie.myers@dot.gov, michael.huner.ctr@dot.gov, and your state's FHWA Division Office Pavement & Materials Contact

Upon receipt of this form by Mr. Gutierrez, the MATC will review the request and contact the requester to set-up a meeting to discuss the potential loan. All loans are subject to the availability of equipment.
If you have any questions, please reach out to MATC at (240) 460-4892