



2025 P11	Infrastructure 2	Civil Engineering Maintenance
	Basic Course	



Tunnel



Bridge



Viaduct



DX for inspections

KEY POINT

By learning about the overall picture and specific examples of maintenance for civil engineering structures in Tokyo Metro, you will be able to use them as a reference when considering civil engineering maintenance.

OVERVIEW

Tokyo Metro's civil engineering structures include tunnels, bridges, and viaducts, which are maintained to ensure that trains can operate in safe and stable condition.

We will first introduce the rules set by the law and regulations in Japan for maintenance of railway civil engineering structures. And then introduce the periodic inspections and repairs, which are conducted by Tokyo Metro based on these rules.

In addition, the state of utilizing digital tools for efficient and effective periodic inspections will be introduced. Furthermore, examples of analysis and construction work to ensure the longevity of structures will be introduced.

COURSE CONTENTS

1) Characteristics of civil engineering structures in Tokyo Metro
- Overview of civil engineering structures such as tunnels, bridges, and viaducts
2) Daily maintenance
- Periodic inspection contents and inspection cycle of civil engineering structures
- Repair work based on inspection results
3) Maintenance for longevity
- Reinforcement of structures by large-scale improvement works
4) Pursuit of efficient maintenance management utilizing digital tools
- Streamlining maintenance management utilizing inspection apps and drone

KEY DETAILS

Application Period	May 19, 2025 – Mar 31, 2026
Viewable Period	1 month
Targets	Basic Course: for those who have less than 3 years experience in the railway industry
Language	English
Location	Online (Vimeo)
Course Duration	50 minutes
Course Fee	10,000 JPY (per 1 course) Note: Applications within Japan are subject to the tax separately.
Payment Method	PayPal
Certificate	Attendance Certificate (digital) will be issued.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>  
You can apply regardless of your field.