

NDDOT TECHNICAL CERTIFICATION PROGRAM (TCP)

INTRODUCTION TO ASPHALT

This is a course offered at no cost and consists of pre-recorded YouTube videos available as a playlist.

OVERVIEW

This course provides an overview of liquid asphalt, aggregates, asphalt mix, asphalt plants, and asphalt pavement construction. It is primarily intended for the individual with little to no asphalt pavement construction experience.

Though it is not a pre-requisite for any class or certification, this course is recommended for anyone pursuing QC/QA certification through the North Dakota Department of Transportation Technical Certification Program.

COURSE SYLLABUS:

- Defining the Need for QC/QA
- Overview of Asphalt Materials
- Introduction to Performance Graded (PG) Binders
- Introduction to Aggregates and Asphalt Mixture Types
- Plants, Placement, and Pavers an Overview
- Compaction and Pavement Acceptance
- Introduction to state specifications

VIDEO LINK

[YouTube Video Link to playlist](#)

ADDITIONAL LEARNING RESOURCES

For individuals with little construction experience or who just want to learn more. There are several free online courses available that supplement the content in this course.

The following are four of many modules available through the [UGPTI Learning Management System](#). An account is required but is available by request for no charge.

- HMA Paving Field Inspection
- Improving the Daily Diary
- Ethics Awareness for the Transportation Industry
- QA: Introduction to Quality Assurance Programs

FHWA Video: [Preventing Stockpile Segregation](#)

INSTRUCTOR

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