

# Lectures of Highway Engineering

## Forth Stage

- 01-Cross-Section Elements
- 02-Earthworks & Mass-Haul Diagram
- 03-Asphaltic Materials
- 04-Aggregate
- 05-Asphalt Paving Mixture
- 06-Drainage
- 07-Evaluation of Strength for Subgrade
- 08-Thickness Design of Flexible Pavement
- 09-Rigid Pavement
- 10- The Effect of type and amount of Filler on Asphalt Paving Mix

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**References:**

1. Yoder; E. J. and M. W. Witczak, “**Principles of Pavement Design**”, A Wiley-Interscience Publication, John Wiley & Sons Inc., U.S.A., 1975.
2. Yaug H. Huang, “**Pavement Analysis and Design**”, Prentic Hall Inc., U.S.A., 1993.
3. Paul Croney and David Croney, “**The Design and Performance of Road Pavements**”, McGraw Hill, U.S.A., 1998.
4. “**AASHTO Guide for Design of Pavement Structures 1993**”, AASHTO, American Association of State Highway and Transportation Officials, U.S.A., 1993.
5. “**A Policy on Geometric Design of Highways and Streets 2001**”, AASHTO, American Association of State Highway and Transportation Officials, U.S.A., 2001.