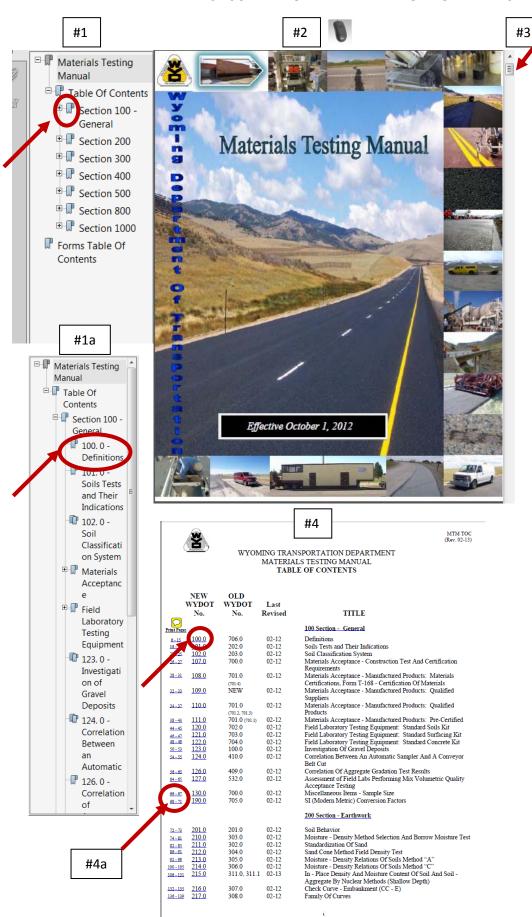
## FIRST SCREEN TO APPEAR AFTER OPTION I LINK SELECTED.



Four ways to navigate through the Materials Testing Manual:

- Left mouse click once on one of the menu items in the "Book Mark" window.
  - a. Left mouse click once on the to extend viewable selections.
- Use scroll button on mouse to navigate up and down on the document.



- 3. Use "Windows" scroll bar to navigate up and down on the document.
- Left mouse click once on the "Table of Contents" bookmark. Single left mouse click on the "Subsection".
  - On the "Table of Contents" page(s) please note the far left hand side column labeled "Print Pages". To print a specific "Subsection", note the page numbers and left mouse click once anywhere in the column underneath "Print Pages" to bring up the print screen window. Type in the noted page numbers and print.

## DEFINITIONS

Admixtures - Materials other than cement, aggregate and water in concrete used to entrain air,

retard setting, or accelerate setting.

A window displaying the linked

"Subsection" from the above selection

Anchorage - That portion of a reinforcing bar and any attachment thereto, designed to resist pulling out or slipping of the bar when subjected to stress.

Asphalt Cement (AC), Asphalt Binder, PCAB, etc – Asphalt Binder is considered to be practically pure bitumen which is in a semi-solid state at ordinary temperatures. Selection of the asphalt binder to be used in the HPM is based on environmental and traffic loadings.

Base, Base Course (CB, CTB, PMB) - Intermediate layer between subgrade and surfacing (concrete pavement or plant mix pavement) and contributes to the load bearing capacity of the surfacing section. This material is usually a granular material with the material above the No. 4 being at least partially crushed and may be stabilized using Portland cement, asphalt, emulsion, lime, etc. In the case of a gravel road, the base material will be the top layer and has similar material properties, although retain the natural cohesiveness to deter wash-boarding and rutting, which may mean higher PL

Batch (Concrete) - The quantity of mix discharged from the mixer in one complete operation of the plant before additional materials are introduced.

Bedrock/Pit Floor - Unusable material, such as shale or native consolidate rock, that underlies the construction material and delineates the depth of rock deposit or vertical limit.

Bleeding (HPM & Chip Seals) - Characterized by the presence of an excessive amount of asphalt on the surface. Typically due to either an excessive amount of prime coat or tack coat or excessive asphalt in the mix.

**Bleeding (Concrete)** - The escape of water from freshly placed concrete commonly observed as an accumulation upon a horizontal surface.

Blow-Up (Concrete) - Localized buckling or shattering of rigid pavement caused by excessive longitudinal pressure.

Borrow Special Excavation (BSE) - This may be the same material as used in the sub-base, but is usually considered to be subgrade material that replaces inferior or problematic soil. This material may be of the same type as the sub-base, however a non-granular soil may be specified. This layer is not be included as part of the surfacing section as determined during the pavement structural design; it is included as subgrade if the depth is 24 inches or greater.

California Bearing Ratio (CBR) - A test to determine the bearing capacity of a soil compared to a standard, well-graded, crushed stone.

Carry-over - Deposition of finer material into a bin that should contain larger size aggregate.

Materials Testing Manual

Effective October 1, 2012

on left

will be displayed.

To return to the "Table of Contents",

Use the Windows scroll bar ,

hand side to navigate back and forth in

scroll mouse 🐚 , or

bookmarks

the document.

To change the screen and view levels or save or print the Materials Testing Manual use this bar.



This bar will display when the mouse pointer is dragged to the bottom of any page in the manual.

Left mouse click once and the screen will shrink.

Left mouse click once and the screen will expand.

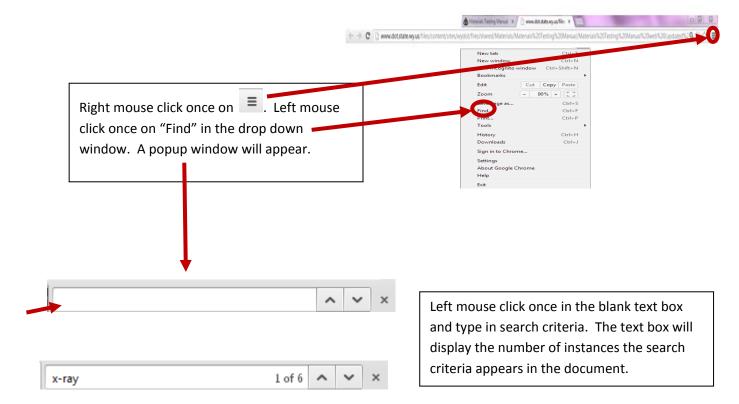
Left mouse click once or multiple times to zoom out.

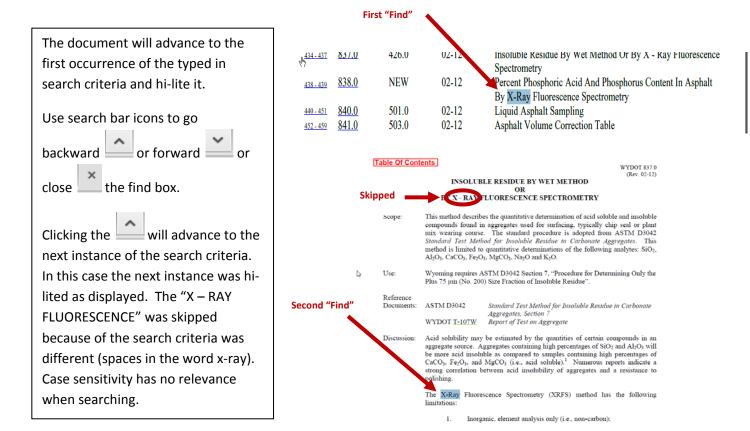
Left mouse click once or multiple times to zoom in.

Left mouse click once and Windows Explorer window will popup so can save entire .pdf document.

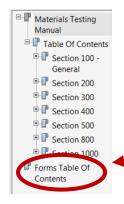
Left mouse click once and print popup will appear so can print entire .pdf document or user specific pages.

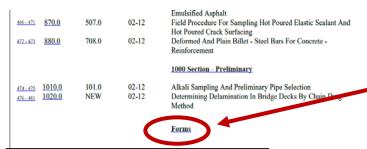
Search and find specific text in the document





Search and find FORMS in Excel (.xlsx or .xlsm) format or Adobe (.pdf) format.





The document will advance to first "Forms Table of Content" page "i.".

Single left mouse clink on the Form # link. A link will open the Material's FTP Forms Site.

Single left mouse click on the Form # in the format needed. The form in the .xls format will appear in a box at the bottom of the screen. Click on the box to open or save .xls file.

E-221Blank (1).xlsx

A .pdf file will open in another window in the format selected.

The Excel Forms are fillable and have calculations built into them.

Navigate to the "Forms" Table of Contents by one of the following methods:

- Single left mouse click on "Forms Table Of Contents" in the "Book Mark" menu.
- Navigate to Page 5 of the Materials Testing Manual (page "iv." of the "Table of Contents", and single left mouse click on

the link.

