09/11/2014

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| --- |
| When soil is required, include as applicable: |

## **Section 704. – SOIL**

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| When structural backfill is necessary, include Subsection 704.04. |

**704.04 Structural Backfill.** Delete line (c) and add the following:

**(c)** Plastic index, AASHTO R 58 and T 90 6 max.

**(d)** Liquid limit, AASHTO R 58 and T 89 30 max.

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| When select borrow is necessary, include Subsection 704.07. |

**704.07 Select Borrow.** Delete line (b) and add the following:

**(b)** Liquid limit, AASHTO R 58 and T 89 30 max.

**(c)** Plastic index, AASHTO R 58 and T 90 6 max.

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| When select granular backfill is necessary, include Subsection 704.08. |

**704.08 Select Granular Backfill.**

**(a) Quality requirements.** Delete lines (2) and (4) and substitute the following:

**(2)** Peakshear maximum angle of internal friction 34o min.

on the portion passing the No. 4 sieve, AASHTO T 236

**(4)** Plastic index, AASHTO R 58 and T 90 6 max.

**(a) Quality requirements.** Add line (6):

**(6)** Liquid limit, AASHTO R 58 and T 89 30 max.

**(b) Electrochemical requirements for MSE walls with metallic reinforcements.** Delete the Note and substitute the following:

**Note:** Tests for sulfate and chloride content are not required when the pH is between 6.0 and 8.0 and resistivity is greater than 5000 ohm centimeters.

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| Use on all projects with Reinforced Soil Slopes |

Add the following Subsection:

**704.09 Slope Fill.** Furnish sound, durable, granular soil free from organic matter or other deleterious material (such as shale or other soft particles with poor durability). Conform to the following:

**(a) Quality requirements.**

**(1)** Gradation Table 704-3

**(2)** Sodium sulfate soundness loss (5 cycles) 15% max.

**(3)** Liquid limit, AASHTO R 58 and T 89 40 max.

**(4)** Plastic index, AASHTO R 58 and T 90 20 max.

**Table 704-3**

**Slope Fill Gradation**

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| --- | --- |
| **Sieve Size** | **Percent by Mass Passing Designated Sieve**  **(AASHTO T 27 and T 11)** |
| 4 inch | 100 |
| No. 4 | 20–100 |
| No. 40 | 0 – 60 |
| No. 200 | 0 – 35 |