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| **MATT MENU SELECTION - 2** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Louisiana Department of Transportation and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | DOTD 03-22-0745  Metric / English  Rev. 11/98 | | | | | | | | | | | | | | | | | | | |
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| **Date Sampled** | | | | | | | | | | | | | | | |  | | | | | | |  | | | | | | |  | | | | | |  | | | |  | | | | |  | | | | | |  | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | |  | | **Submitted By** | | | | | | | | | | | | | | | | | | | | | |  | | | |  | |  | | | |  | | | Quantity | | | | | | | | | | | | |  | |  | |  | | | | |  |  | | |  | | | |  | | | | |  | | | | |
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| **Purp Code** | | | | | | | | | | | | | | | | | |  | | | | | **Source Code** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | |  | | | | | | | |  | | | |  | | | | | **Spec Code** | | | | | | | | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | P.O. No. | | | | | | | | | | | | |  | |  | |  | | | | |  |  | | |  | | | |  | | | |  | |  | | | |
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| Tested By | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Date | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Checked By | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | Date | | | | | | |  | | | | | | | | | | | | | | |
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| **DOTD TR 102, 112, 113 & 309** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **DOTD TR 428** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Liquid Limit \_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Plastic Limit \_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Unit** | | | |  | | | 1 = grams 2 = pounds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **No. Blows** | | | | | | | | | | | | | | | | | | | | |  |  | | --- | --- | |  |  | | | | | | | | | | | | **Mass cup + Wet Soil, g** | | | | | | | | | | | | | | | | | | | |  |  |  |  | | --- | --- | --- | --- | |  |  | **●** |  | | | | | | | | | |
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| Sieve  mm In. | | | | | | | | | | | | Mass (Wt) Retained | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | %  Retained | | | | | | | | | | | | | | | | | | | | | | | | %  Coarser | | | | | | | | | | | | | | | | | %  Passing | | | | | | | | | | | | **Mass Cup + Wet Soil, g** | | | | | | | | | | | | | | | | | | | | |  |  |  |  | | --- | --- | --- | --- | |  |  | **●** |  | | | | | | | | | | | | **Mass cup + Dry Soil, g** | | | | | | | | | | | | | | | | | | | |  |  |  |  | | --- | --- | --- | --- | |  |  | **●** |  | | | | | | | | | |
| **Mass Cup + Dry Soil, g** | | | | | | | | | | | | | | | | | | | | |  |  |  |  | | --- | --- | --- | --- | |  |  | **●** |  | | | | | | | | | | | | **Mass Water** | | | | | | | | | | | | | | | | | | |  | | | | | | | | |
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| 16.0 5/8 | | | | | | | | | | | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | |
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| **Unit** | | | |  | | | 1 = grams 2 = pounds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Sieve  mm/µm No. | | | | | | | | | | | | | Mass (Wt) Retained | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | %  Retained | | | | | | | | | | | | | | | | | | | | | | | | %  Coarser | | | | | | | | | | | | | | | | | %  Passing | | | | | | | | | | |
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| Initial Dry Total Mass, (Wt) | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | % Diff: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Dry Mass (Wt) After Wash | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Remarks 2: | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **SPECIFIC GRAVITY AND ABSORPTION OF COARSE AGGREGATE**  (AASHTO T85)  Tested By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |  | |  | |  | |  | |  | |  | **PERCENT FOREIGN MATTER** (DOTD TR 109)  Tested By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  |  |  |  |  |  | |  | **PERCENT CLAM SHELL** (DOTD TR 110)  Tested By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  |  |  |  | |  |
|  | |  | |  | |  | |  | |  |  |  | A + D |  | D – E |  | |  |  |  |  | |  |
| A | | B | | C | |  | |  | |  |
| Mass of Oven Dry Test Sample in Air, g | | Mass of Saturated Surf-Dry Test Sample in Air, g | | Mass of Saturated Test Sample in Water, g | | Bulk Spec Grav (Saturated-Surf-Dry) | | Absorption, % | |  | A | D | B | E | C | F | |
|  | Mass of Material Removed by Hand | Mass of Dried Portion | Mass Total Sample | Mass of Portion After Wash, Dry | Mass of Material Removed by Wash | Foreign Matter, % | | A | B | C |  | |  |
|  | Mass Retained 4.75 mm (No. 4) | Mass Clam Shell | Clam Shell, % |  | |  |
|  |  |  | |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **APPARENT SPECIFIC GRAVITY** (DOTD TR 300)  Tested By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **Coarse Aggregate** |  | |  | |  | |  | **Fine Aggregate** |  |  |  |  |  |  | **Combined Coarse and Fine Aggregates** |  |  |  |  |  | **EFFECTIVE SPECIFIC GRAVITY** (DOTD TR 300)  Tested By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  |  |  |  |  |
|  | |  | | a - b | | a/c |  |  |  | a - b |  | d/(498.6 – c + a) |  | (100 – F) D | (F) E | G + H |  |  |  |  |  |  | 100 - C |  |  |
| a | | b | | c | | D |  | a | b | d | c | E | F | G | H | I | A | B | C | D | E | F | X | H | G |
| Mass in Air | | Mass in Water | | Difference | | Apparent Specific Gravity | Flask No. | Mass of Flask & Dry Sand | Mass of Flask | Mass of Dry Sand | Mass of Flask + Sand + Water | Apparent Specific Gravity | % Passing 4.75mm (No. 4) Sieve | Coarse Spec Grav Portion | Fine Spec Grav Portion | Apparent Spec Grav | Mass of Aggregate | Mass of Mix | % Asphalt in Mix | Mass of Jar + Water | Mass of Jar + Water + Mix | Spec Grav of Mix | % Aggregate in Mix | Specific Gravity of Asphalt Cement | Effective Specific Grav of Aggregate |