SCOPE 2 ЛИ

Sofia, 23.02.2024

**TRAKIYA BILD LTD.**

**CONSTRUCTION LABORATORY**

**Management and laboratory address:** 4003 Plovdiv, 174 Vasil Levski Str.

**To perform testing of:**

| **Type of the scope:** *flexible* | | | |
| --- | --- | --- | --- |
| **№** | **Tested products** | **Type of test / characteristic** | **Testing methods**  **(standard / validated method)** |
| **1** | **2** | **3** | **4** |
| 1 | Aggregates | 1.1. Particle size distribution | БДС EN 933-1 |
| 1.2. Percentage of fines passing the 0,063 mm sieve / Fines content/ | БДС EN 933-1 |
| 1.3. Flakiness index | БДС EN 933-3 |
| 1.4. Shape index | БДС EN 933-4 |
| 1.5. Water content | БДС EN 1097-5 |
| 1.6. Sand equivalent | БДС EN 933-8 +A1 |
| 1.7. Resistance to fragmentation  - Los Angeles coefficient | БДС EN 1097-2, cl. 5 |
| 1.8. Elastic and deformation moduli E2/E1 | БДС EN 15130 |
| 2 | Hardened concrete | 2.1. Compressive strength | БДС EN 12390-3 |
| 2.2. Density | БДС EN 12390-7 |
| 3 | Construction soils | 3.1. Particle size distribution | БДС ЕN 933-1 |
| 3.2. Water content | БДС EN ISO 17892-1 |
| 3.3. Liquid limit | MRDPW, Ordinance № РД-02-20-2, Annex №15 |
| 3.4. Plastic limit. Plasticity index. | MRDPW, Ordinance № РД-02-20-2, Annex №16 |
| 3.5. Maximum bulk density of skeleton of soils and optimum water content of soils, Proctor method | БДС 17146  БДС EN 13286-2, cl. 7.1,  cl. 7.2, cl. 7.4 |
| 3.6. California bearing ratio /CBR/ | БДС EN 13286-47 |
| 3.7. Elastic modulus and ratio of deformation moduli E2/E1 | БДС 15130 |

***Flexible scope:*** *Implementing a new version of standards/documents or standards/documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by laboratory.*

**References:**

1) Ministry of Regional Development and Public Works (MRDPW) Ordinance № РД-02-20-2/ 28.08.2018 for road design, Annex № 15, published in SG № 79/25.09.2018. Method for determination of liquid limit of soils;

2) Ministry of Regional Development and Public Works (MRDPW) Ordinance № РД-02-20-2/ 28.08.2018 for road design, Annex № 16, published in SG № 79/25.09.2018. Method for determination of plastic limit and plasticity index of soils;