# #18

COMPLETE

| | |
|---|---|
| **Collector:** | Web Link 2 (Web Link) |
| **Started:** | Thursday, September 09, 2021 5:05:22 PM |
| **Last Modified:** | Sunday, May 15, 2022 7:52:01 AM |
| **Time Spent:** | Over a month |
| **IP Address:** | 184.62.81.134 |

## Page 1: General Information

### Q1

Laboratory Information

| | |
|---|---|
| Laboratory Manager | **Minot Wood** |
| Laboratory Name | **E.H. Perkins - Sterling** |
| Address | **194 Worcester** |
| City/Town | **Sterling** |
| State | **MA** |
| ZIP | **01564** |
| Phone Number | **978-562-3436** |

### Q2

NETTCP Certification Number

221 - EH Perkins Sterling

### Q3

Laboratory Technician Certification Numbers

| | |
|---|---|
| HMA Plant Technician | **854** |
| Concrete Technician | **1237** |

### Q4

Laboratory Category

**2**

### Q5

NETTCP Certified

**YES**

**Q6**

FAA NE Region (NETTCP Certified for FAA)

**NO**

**Q7**

AASHTO Accredited (check the AASHTO website for up to date certifications)

**NO**

**Q8**

Aggregates (AASHTO/ASTM)

| | AASHTO | ASTM |
|---|---|---|
| Material Finer Than #200 Sieve by Washing (T11/C117) | ✔ | ✔ |
| Unit Weight and Voids in Aggregates (T19/C29) | | |
| Organic Impurities in Fine Aggregate for Concrete (T21/C40) | | |
| Sieve Analysis of Fine and Coarse Aggregates (T27/C136) | ✔ | ✔ |
| Sieve Analysis of Extracted Aggregate (T30/D5444) | ✔ | ✔ |
| Reducing Aggregate Samples (R76/C702) | ✔ | ✔ |
| Vacuum Drying Compacted Asphalt Specimens (R79/D7227) | | |
| Specific Gravity and Absorption of Fine Aggregate (T84/C128) | ✔ | ✔ |
| Specific Gravity and Absorption of Coarse Aggregates (T85/C127) | ✔ | ✔ |
| Coarse Aggregate L.A. Abrasion (T96/C131) | | |
| Soundness of Aggregates (T104/C88) | | |
| Sand Equivalent Test (T176/--) | ✔ | |
| Moisture Contents of Aggregates (T255/C566) | ✔ | ✔ |
| Un-compacted Void Content of Fine Aggregate (T304/--) | ✔ | |
| Flat & Elongated Particles in Coarse Aggregate (--/D4791) | | ✔ |
| Percentage of Fractured Particles in Coarse Aggregate (--/D5821) | | |
| Specific Gravity and Absorption of Aggregate using Vacuum Saturation and Rapid Submersion (--/D7370) | | |

**Q9**

HMA

| | AASHTO | ASTM |
|---|---|---|
| Extraction of Asphalt Binder from HMA (T164/D2172) | ✔ | ✔ |
| Bulk Specific gravity of HMA (T166/D2726) | ✔ | ✔ |
| Theoretical Specific Gravity of HMA (T209/D2041) | ✔ | ✔ |
| Marshall Test Procedure (T245/D6926) | | |
| Resistance of Compacted HMA to Moisture Induced Damage (T283/--) | | |
| Draindown in Uncompacted Asphalt Mixtures (T305/--) | | |
| Asphalt Binder Content by Ignition Oven (T308/D6307) | ✔ | ✔ |
| Density of HMA by SuperPave Gyratory (T312/D6925) | ✔ | ✔ |
| Moisture Control of HMA (T329/--) | ✔ | |
| Bulk Specific Gravity of HMA using Automatic Vacuum Sealing (T331/--) | | |
| Thickness of Compacted HMA Specimens (--/D3549) | | ✔ |
| Vacuum Drying Compacted HMA Specimens (R79/--) | | |
| | | |

**Q10**

Concrete

| | AASHTO | ASTM |
|---|---|---|
| Compressive Strength of Concrete Cylinders (T22/C39) | | |
| Making and Curing Concrete Specimens in the Field (T23/C31) | | |
| Flexural Strength of Concrete with Third Point Loading (T97/C78) | | |
| Slump of Concrete (T119/C143) | ✔ | ✔ |
| Density and Yield of Concrete (T121/C138) | ✔ | ✔ |
| Moist Rooms and Water Storage Tanks for Curing Concrete Specimens (M201/C511) | | |
| Air Content of Concrete by Pressure Method (T152/C231) | ✔ | ✔ |
| Air Content of Concrete by Volumetric Method (T196/C173) | | |
| Capping Cylindrical Concrete Specimens (T231/C617) | | |
| Temperature of Concrete (T309/C1064) | ✔ | ✔ |

**Q11**

Soils

| | AASHTO | ASTM |
|---|---|---|
| Materials Finer than #200 Sieve by Washing (T11/C117) | ✔ | ✔ |
| Sieve Analysis of Fine and Coarse Aggregates (T27/C136) | ✔ | ✔ |
| Particle Size Analysis of Soils (T88/C422) | | |
| Liquid Limit of Soils (T89/D4318) | | |
| Plastic Limit of Soils (T90/D4318) | | |
| Moisture Density Relation of Soils with 5.5lb Hammer (T99/D698) | | |
| Sand Equivalent Test (T176/D2419) | | |
| Moisture Density Relation of Soils with 10.0lb Hammer (T180/D1557) | | |
| Moisture Content of Soils (T265/D2216) | | |
| Gain Size Analysis of Granular Soils (T311/--) | | |