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TEST ROLLING (OAKDALE 2111)

PART 1 GENERAL

1.01 SUMMARY

- A. Provide testing of subgrade stability prior to base construction by rolling with heavy equipment.
- B. Related Sections:
 - 1. Section 2105 – Excavation and Embankment
 - 2. Section 2112 – Subgrade Preparation
- C. Basis of Payment:
 - 1. Reconstruction and retesting of sections found to be unstable will be considered incidental.
 - 2. Test rolling shall be incidental.

1.02 REFERENCES

- A. MnDOT 2111 – Test Rolling

1.03 SCHEDULING AND SEQUENCING

- A. Perform test rolling after subgrade is established to proposed width and within 0.1 foot of stacked grades at all locations.
- B. Do not perform test rolling until both Engineer and Contractor agree subgrade is acceptable.

PART 2 PRODUCTS

2.01 EQUIPMENT

- A. Perform test rolling using one of the following:
 - 1. A pneumatic-tired roller in accordance with MnDOT 2111.2.
 - 2. A loaded dump truck that will deliver a minimum 9-ton axle load.

PART 3 EXECUTION

3.01 PROTECTION

- A. Protect culverts and other structures during test rolling.

- B. Provide additional cover as required over inplace structures as protection during test rolling.
- C. Replace structures damaged during test rolling.

3.02 APPLICATION

- A. Test roll entire width of proposed pavement structure.
- B. Operate roller at a speed between 2-1/2 and 5 miles per hour.
- C. Make 2 passes over all surface areas.
- D. Unrolled areas between tire path shall not exceed 12 inches.

3.03 FIELD QUALITY CONTROL

- A. The roadbed will be considered unstable at any location where surface shows yielding or rutting of more than 2 inches during test rolling.
- B. Reconstruct unstable areas in accordance with Section 2112.
- C. Retest all reconstructed areas.

END OF SECTION