



TECHNICAL NOTE

TECH NOTE NO: 42

TITLE: O'Hare Modernization Program (Completion Phase) Earthwork Management Plan

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Per the request of Ross Anderson, the above referenced document has been reviewed. Comments are offered below.

- * The plan is primarily based on volumetric considerations.
- * Reference is made to Specification P-152 "Excavation and Embankment." This specification defines several categories of material as defined in P-152/1.02 (Classification).
- * A key factor is the definition/suitability of the soil as "Unclassified Excavation - Acceptable Fill," "Unclassified Excavation - Contaminated Material" or "Borrow Excavation." A wide variety of soils will be encountered in the future earthwork operations. The proper classification of the soils will influence the calculations and options presented in the PLAN.

* An additional consideration is the requirement that the soil in the upper 1.5 feet of embankment (the subgrade) under the paved areas be suitable for lime treatment. The requirements of P-152.1.02.A.3 are to be met. This portion of the subgrade will be “lime-stabilized” per P-158 (Lime Stabilized Subgrade). P-158 contains a requirement to develop a minimum cured compressive strength.

SUMMARY

The Earthwork Management Plan is primarily based on volumetric considerations. It is suggested that the Plan be refined to include considerations (to the degree practically possible) of the “suitability” of the materials per P-152 Classification criteria (P-152/1.02) and P-158.