

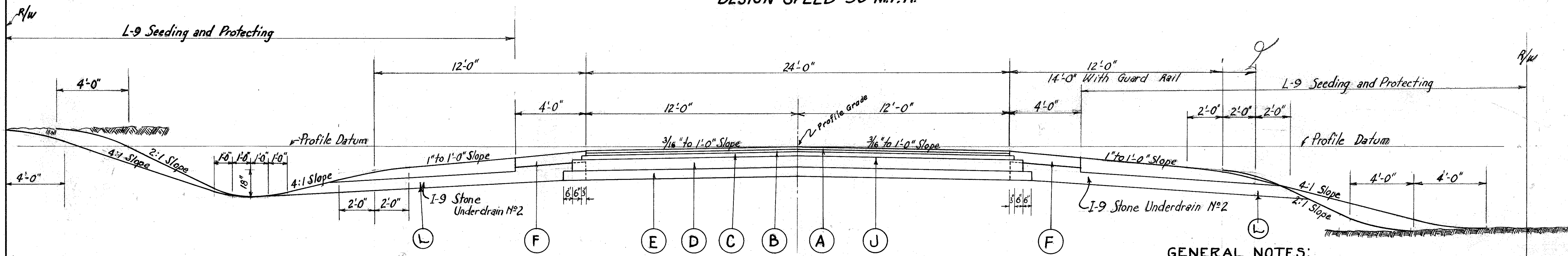
# TYPICAL SECTION

TYPE T-35

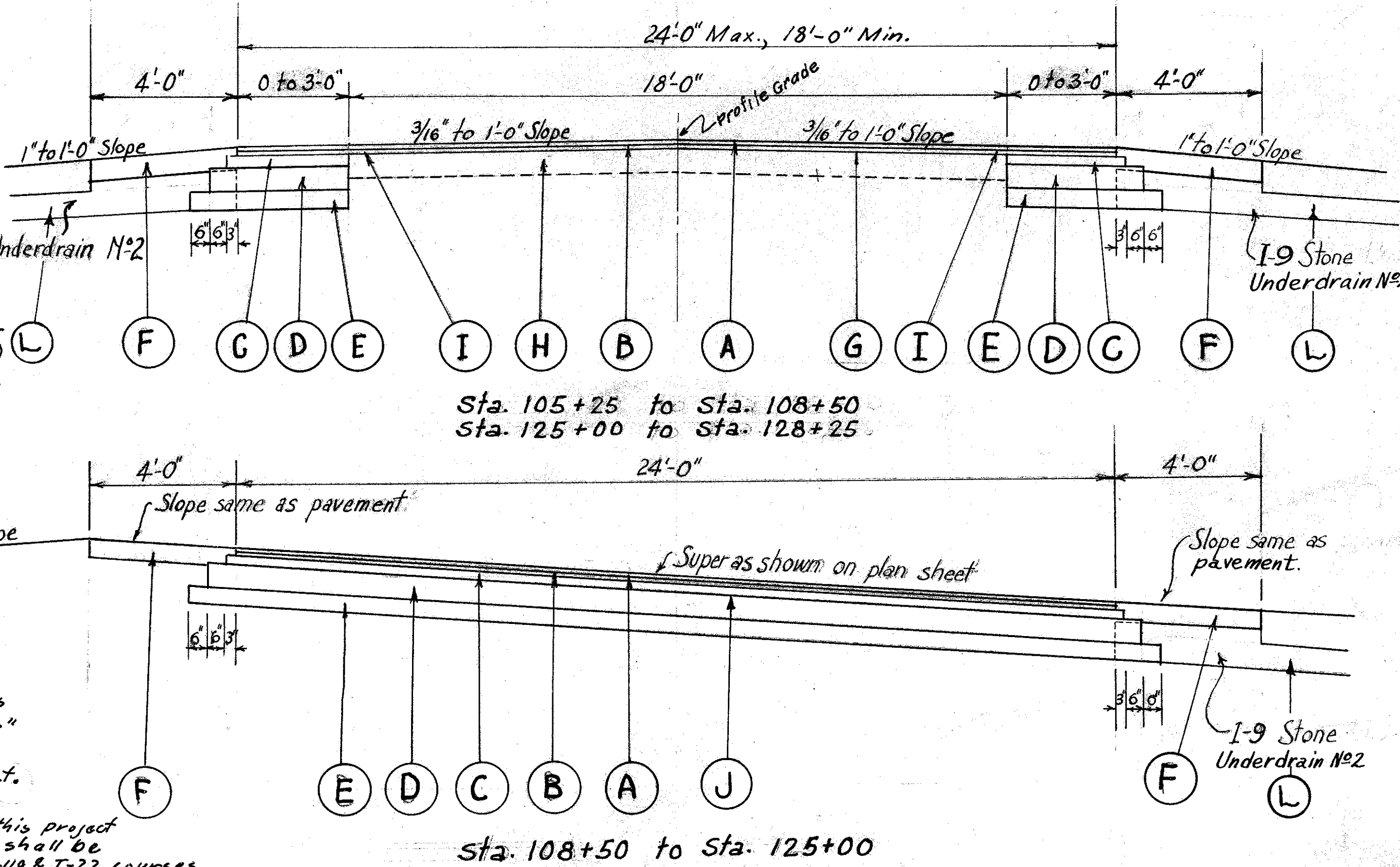
SCALE 3/8"=1'-0"

DESIGN SPEED 50 M.P.H.

LAK. 283 - (6.61-6.94)  
LAKE COUNTY



- (A) 1/2" Asphaltic Concrete Surface Course Type A Item T-35 (70-85)
- (B) 1/2" Asphaltic Concrete Leveling Course Item B-35 (70-85)
- (C) 3" Asphaltic Concrete Base Course Item B-35 (70-85)
- (D) 8" Crushed Aggregate Base Course Item B-119
- (E) 6" Subbase Item I-22
- (F) 6" Stabilized Crushed Aggregate Shoulders and Approaches Item I-18 (See note in Proposal for additional stabilization with Calcium Chloride in upper 3" of this item)
- (G) Bituminous Tack Coat (10 Gallon per sq. yd.) Item T-30 (Sec. M-5.5, MS-2 or RS-1 or M-5.2, RD-1 or RC-2, as per Sec. T-30.02)
- (H) Existing 8" Concrete Pavement with 2" Bituminous Surface
- (I) Extra Asphaltic Concrete Leveling Course Item B-35 (70-85)\*
- (J) Bituminous Prime Coat (0.35 Gal. per sq. yd.) Item T-30 (Sec. M-5.7, RT-2 or RT-3; or Sec. M-5.3, MC-0 or MC-1)
- (L) Stone Underdrains (No. 2) Item I-9, except where I-4 Underdrains are provided.



**GENERAL NOTES:**

**UTILITIES:** Any and all work required for private utilities will be done by and at the expense of their respective owners, unless otherwise noted on these plans. The location of all utility items is shown hereon, but the State of Ohio does not guarantee the accuracy thereof.

**L-9 AGRICULTURAL LIMING MATERIALS:** Agricultural Liming Materials Shall Be Used in Connection with the Seeding, at the rate of One Hundred (100) Pounds per One Thousand (1000) Square Feet.

**L-9 COMMERCIAL FERTILIZER:** Commercial fertilizer shall be used in connection with all seeding at the rate of Twenty (20) Pounds per One Thousand (1000) Square Feet. The fertilizer (12-12-12) shall be used.

**FILLING MAJOR DEPRESSIONS:** Major depressions in existing pavement shall be filled and compacted with asphaltic concrete leveling course material in advance of placing the regular leveling course. The depressions shall be filled in layers not to exceed 3" in depth when compacted.

**FIELD OFFICE:** The contractor shall provide a suitable "Field Office" in accordance with Sec. S-0.01 (b) having a minimum of Two Hundred (200) Square Feet of floor space. The contractor shall furnish drinking water and shall have a telephone installed and maintained during the construction of the project.

**TREE REMOVAL:** Payment for removal of all trees and stumps is included in the unit price bid for the item E-101 Roadway Excavation. Trees 12" in diameter and over are shown on plans for the benefit of the contractor only, but the State of Ohio does not guarantee the accuracy thereof.

**SEEDING QUANTITIES:** Quantities for seeding are calculated for soil areas between Right of Way Lines or the Slope Easement Lines. The following seed mixture, sown at the rate of 3 lbs per 1000 sq. ft., shall be used throughout the limits of this project: 45% Kentucky Bluegrass, 35% Creeping Red Fescue, 15% Red Top, 5% White Dutch Clover.

**SUBGRADE COMPACTION:** The subgrade under B-119 material used on drives shall be compacted for a depth of Six (6) Inches to the density requirements in Table III Item E-101. Payment for subgrade compaction, as specified above, shall be included in the unit price bid for Item E-101 Roadway Excavation.

**ESTIMATED QUANTITIES:**  
Specific locations and usage of estimated quantities set up on this plan to be used "as directed by the Engineer" shall be made a matter of record by incorporation into the final change order governing completion of this project.

**PART WIDTH CONSTRUCTION:** Because of the necessity of building this project under traffic and constructing the pavement part at a time, extreme care shall be taken to prevent the construction of a butt joint on centerline in the B-119 & I-22 courses. This shall be accomplished by building the B-119 and I-22 courses placed with the first portion of the pavement built at least 18 inches beyond the centerline and by surfacing no closer than 18 inches to this edge of the above courses. When the second portion of the pavement is built at least 12 inches of these projecting courses shall be broken down and thoroughly keyed in with the newly placed corresponding courses in the second portion of the pavement built. Payment for this operation shall be included in the unit price bid for the pertinent pavement items.

Note: - Cross Sections shall govern on this project over typical section where variable conditions are encountered.  
\* Leveling Course over existing pavement shall be 1/2" Minimum.

**ITEM T-30 TACK COAT:**  
Although this item has been estimated for use on the entire area of the existing pavement to be salvaged, it shall be used only on dry or checked pavement areas where specifically directed by the Engineer.

**TEMPORARY ROADWAYS:** The following estimated quantities of aggregate and chloride have been included in the general summary for use, as directed by the Engineer, in maintaining traffic: Item T-10 - 800 Cu. Yds. Traffic Compacted Surface Course; Item M-10 - 16 tons. Calcium Chloride.  
Payment for construction, maintenance and subsequent removal, wherever required, of temporary roadways, except for furnishing and placing Items T-10 and M-10, is included in the lump sum bid for "Maintaining Traffic".

**MAINTAINING TRAFFIC:** Two-way traffic shall be maintained at all times, except that one-way traffic will be permitted, consistent with the requirements of Sec. T-35.13 & B-35.25, in the widening and resurfacing areas. The item of maintaining traffic shall include furnishing lights, all signs, barricades, flagmen and watchmen necessary to insure the flow of traffic twenty-four (24) hours daily, all according to the requirements of Sec. G-7.01. The contractor shall not start operations between Sta. 105+00 to 113+00 and Sta. 121+00 to 128+50 until he assures the engineer he will complete these sections of the project in one continuous operation.

**BERMS & SLOPES:** Berms and slopes shall be finished in accordance with the typical section, except where otherwise shown on Cross Sections. While the cross sections as drawn show straight lines and angles, in construction all corners shall be rounded as shown on Typical Sections.

**I-9 STONE UNDERDRAINS:** The estimated quantities for these have been provided in the General Summary. Stone underdrains shall be placed in sags and at 50-foot intervals on each side, except where I-4 underdrains are provided. They shall be staggered on each side of the centerline unless otherwise directed by the Engineer. The quantity shown in the General Summary shall be used in its entirety.