

LAKE COUNTY  
SEC. LAK - 2-14.22

GENERAL NOTES

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57, together with current revisions thereof.

REFERENCE: shall be made to Standard Drawings RB-1-55, revised 2-2-59, CSB-2-56, sheets 2 and 3 of 6, revised 2-2-59, AR-1-57, revised 2-2-59,

CRUSHED AGGREGATE SLOPE PROTECTION: (I-10.04), one foot thick, shall be provided as indicated on the General Plan.

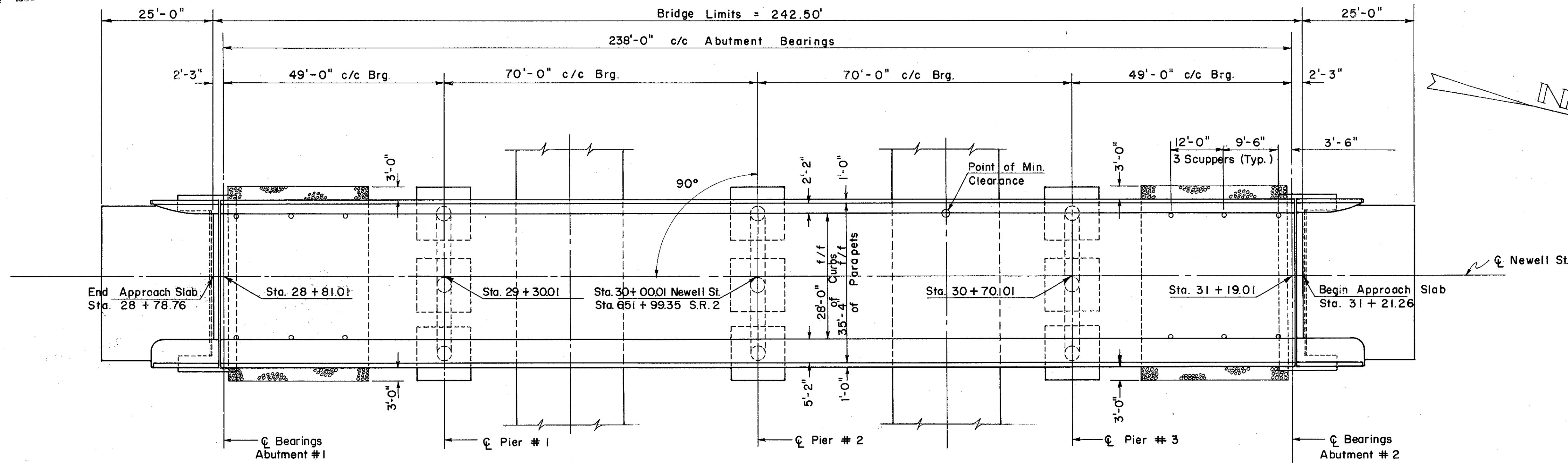
POROUS BACKFILL: shall extend upward to the approach slab and to the surface of the earth shoulders. Excavation therefor, in excess of that required for construction of the abutment shall be considered as paid for in the bid price per cu. yd. paid for porous backfill.

EXCAVATION: Excavation quantity includes the removal of fill material between the surface of the proposed embankment and the bottom of footings.

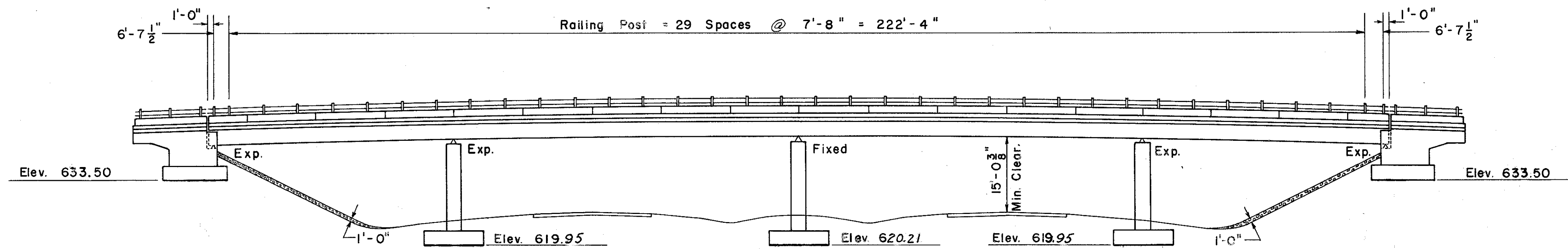
FOUNDATION BEARING PRESSURE: All footings are designed for a maximum bearing pressure of 2 tons per square foot.

MACHINE FINISH: The bridge deck shall be machine finished (Sec. 5-1.23).

PROCEDURE: The embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade for a distance of 200 feet back of the abutment after which excavation shall be made for the abutment.

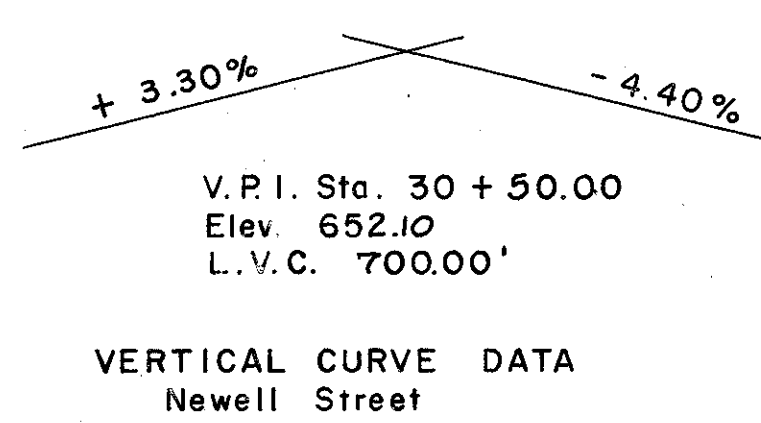


GENERAL PLAN



ELEVATION

| ESTIMATED QUANTITIES |         |          |   |         |        |        |         |
|----------------------|---------|----------|---|---------|--------|--------|---------|
| ITEM                 | TOTAL   | UNIT     | DESCRIPTION   | SUPER.  | ABUTS. | PIERS  | GENERAL |
| E-2                  | 484     | Cu. Yds. | Unclassified Excavation                               |         | 203    | 281    |         |
| S-1                  | 310     | Cu. Yds. | Class "C" Concrete, Superstructure                    | 310     |        |        |         |
| S-1                  | 78      | Cu. Yds. | Class "C" Concrete, Pier Caps & Columns               |         |        | 78     |         |
| S-1                  | 96      | Cu. Yds. | Class "E" Concrete, Abutments above footing           |         | 96     |        |         |
| S-1                  | 139     | Cu. Yds. | Class "E" Concrete, Footings.                         |         | 38     | 101    |         |
| S-4                  | 120,113 | Lbs.     | Reinforcing Steel                                     | 75,022  | 9910   | 35,181 |         |
| S-7                  | 240,100 | Lbs.     | Structural Steel                                      | 240,100 |        |        |         |
| S-8                  | 240,100 | Lbs.     | Field painting of Structural Steel,                   | 240,100 |        |        |         |
| S-14                 | 532     | Lin. Ft. | Railing (aluminum rail & supports, concrete parapets) | 479     | 53     |        |         |
| S-29                 | 30      | Cu. Yds. | Porous Backfill                                       |         | 30     |        |         |
| S-29                 | 12      | Each     | Scuppers  | 12      |        |        |         |
| I-10                 | 363     | Sq. Yds. | Crushed Aggregate Slope Protection                    |         |        |        | 363     |



VERTICAL CURVE DATA  
Newell Street

|   |        |        |              |               |         |
|---|--------|--------|--------------|---------------|---------|
| PREPARED BY<br>CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.<br>FOR  |        |        |              |               |         |
| STATE OF OHIO<br>DEPARTMENT OF HIGHWAYS<br>DIVISION OF DESIGN AND CONSTRUCTION<br>BUREAU OF BRIDGES             |        |        |              |               |         |
| GENERAL PLAN<br>BRIDGE NO. LAK - 2 - 14.24<br>RELOC. S.R. 2 UNDER NEWELL ST.<br>LAKE COUNTY<br>STA. 651 + 99.35 |        |        |              |               |         |
| DESIGNED  | DRAWN  | TRACED | CHECKED      | REVIEWED DATE | REVISED |
|   | J.T.A. | R.M.B. | L.P.<br>M.C. |               |         |