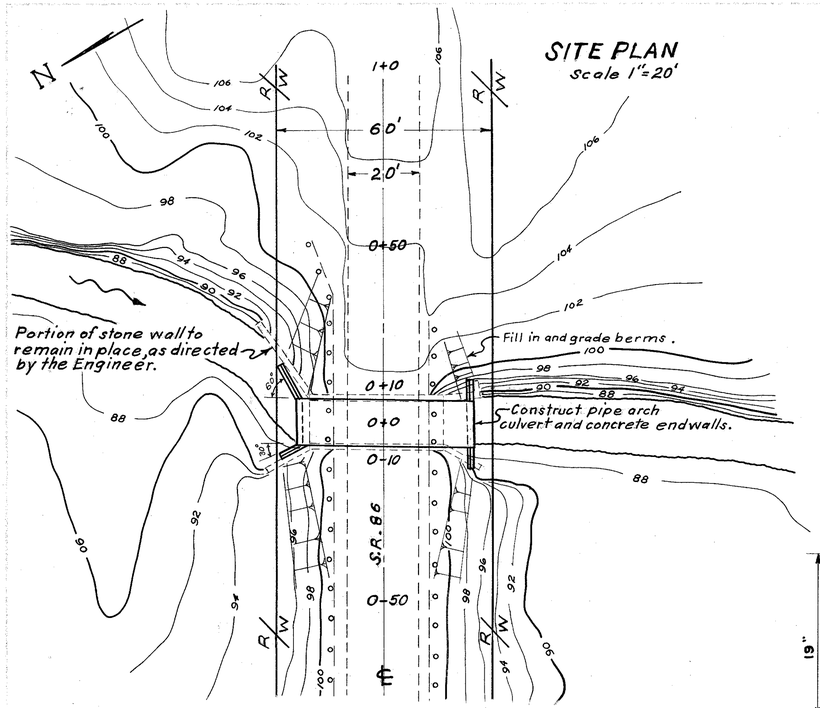
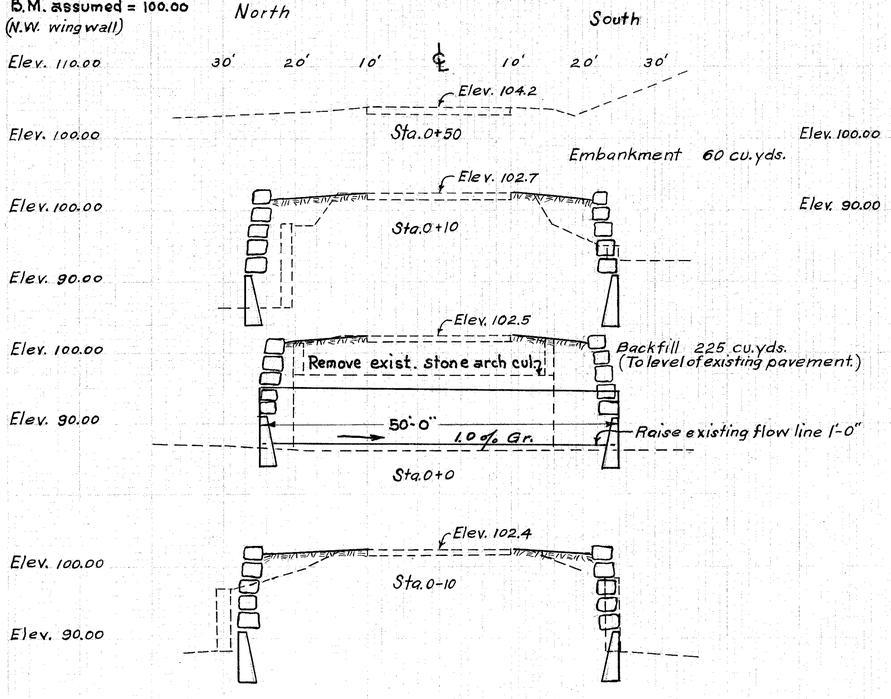
SITE PLAN
Scale 1"=20'



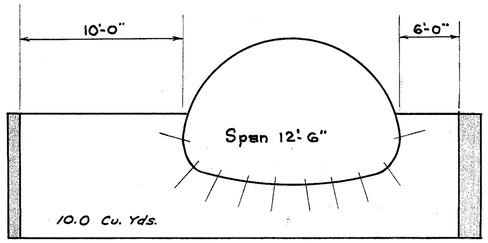
CROSS-SECTION

B.M. assumed = 100.00
(N.W. wing wall)

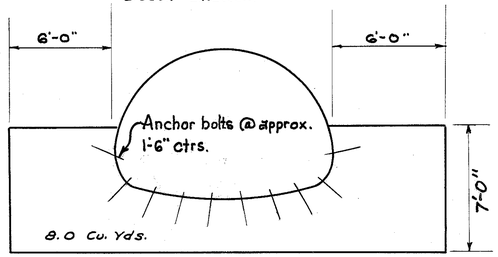


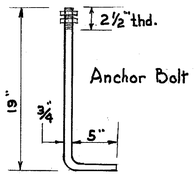
END WALL DETAIL FOR SECTIONAL PLATE PIPE ARCH CULVERT

Front View
North Endwall

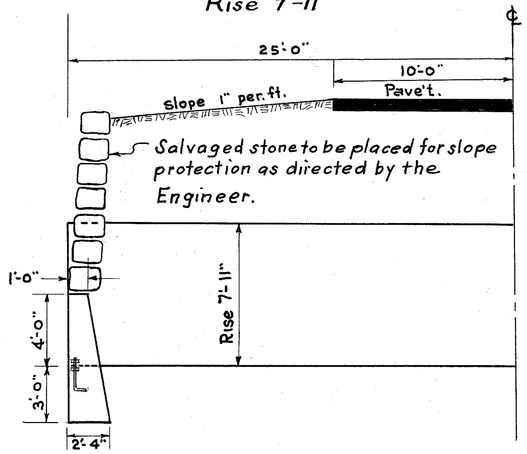


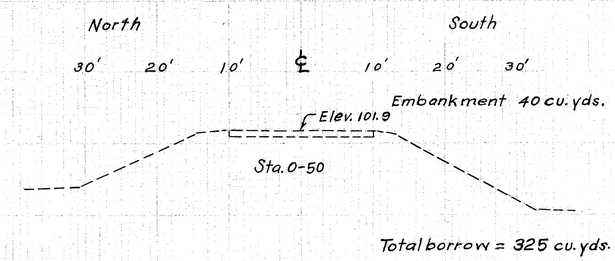
Front View
South Endwall





HALF ELEVATION
SECTIONAL PLATE PIPE ARCH
Span 12'-6"
Rise 7'-11"





Borrow: Limits of embankment shall not be more than 50 lin. ft. from ℄ of culvert.

PROPOSAL NO. 1
LAKE COUNTY
S.R. 86 - SECTION 5.52
BRIDGE NO. LAK. 86-0673
(Location: 5.41 miles south of S.R. 84 on S.R. 86)

GENERAL NOTES

Sectional corrugated metal plate pipe arch to meet the provisions of Sec. M 6.4(g) of the Ohio Construction and Material Specifications.

Pipe to be furnished in gage shown on Std. Drwg. S.P.-53, revised 11-25-58 for a 6 to 10 foot cover. Bottom plates to be 1 gage heavier than remainder of pipe. The pipe to be furnished with square ends (No skew or bevel).

TRAFFIC: The construction of THIS proposal will require the closing to traffic of the highway and route of detour will be, as shown on Sheet #1.

BORROW: Borrow to be secured by the Contractor outside of the right of way limits.

WORK REQUIRED: Remove existing 12'x11'x36' stone and concrete arch culvert, including three wing walls and that portion of the northeast wing wall within the right of way

Construct a new culvert by placing 50 lin. ft. of sectional plate pipe arch (span 12'-6" rise 7'-11") culvert one foot above existing flow line. Build end walls as per plan. Backfill to elevation of existing pavement, fill in berms and grade as shown by cross-sectioned area.

Salvaged stone of suitable size shall be used for slope protection as directed by the Engineer.

Guard rail to be carefully removed and stored and then replaced after fill for embankment has been completed.

EXISTING CULVERT DATA
Type: Stone & Concrete Arch
Span: 12'-0" (Rise 11'-0")
Roadway: 36'-3" %
Skew: 0°
Condition: Poor
Drainage Area: 2 sq. mi.

PROPOSED CULVERT DATA
Type: Sect. Plate Arch
Span: 12'-6" (Rise 7'-11")
Roadway: 50'-0" %
Skew: 0°

ESTIMATED QUANTITIES

Item No.	Quantities	Description
E-2	28 cu. yds.	Excavation (wet)
E-4	325 cu. yds.	Borrow (Backfill & Embankment)
S-1	18 cu. yds.	Concrete, Class "E" Endwalls (North 10.0 cu. yds. South 8.0 cu. yds.)
S-24	Lump Sum	Removal of existing stone & concrete arch culvert. (Including pavement removal and any necessary excavation)
S-28	50 lin. ft.	Sectional corrugated metal plate pipe arch. Span 12'-6" Rise 7'-11" M-6.4(g) Bottom plates 7 gage, remainder plates 8 gage
I-10	80 sq. yds.	Riprap (salvaged stone)
I-15	128 lin. ft.	Guard rail removed and replaced