

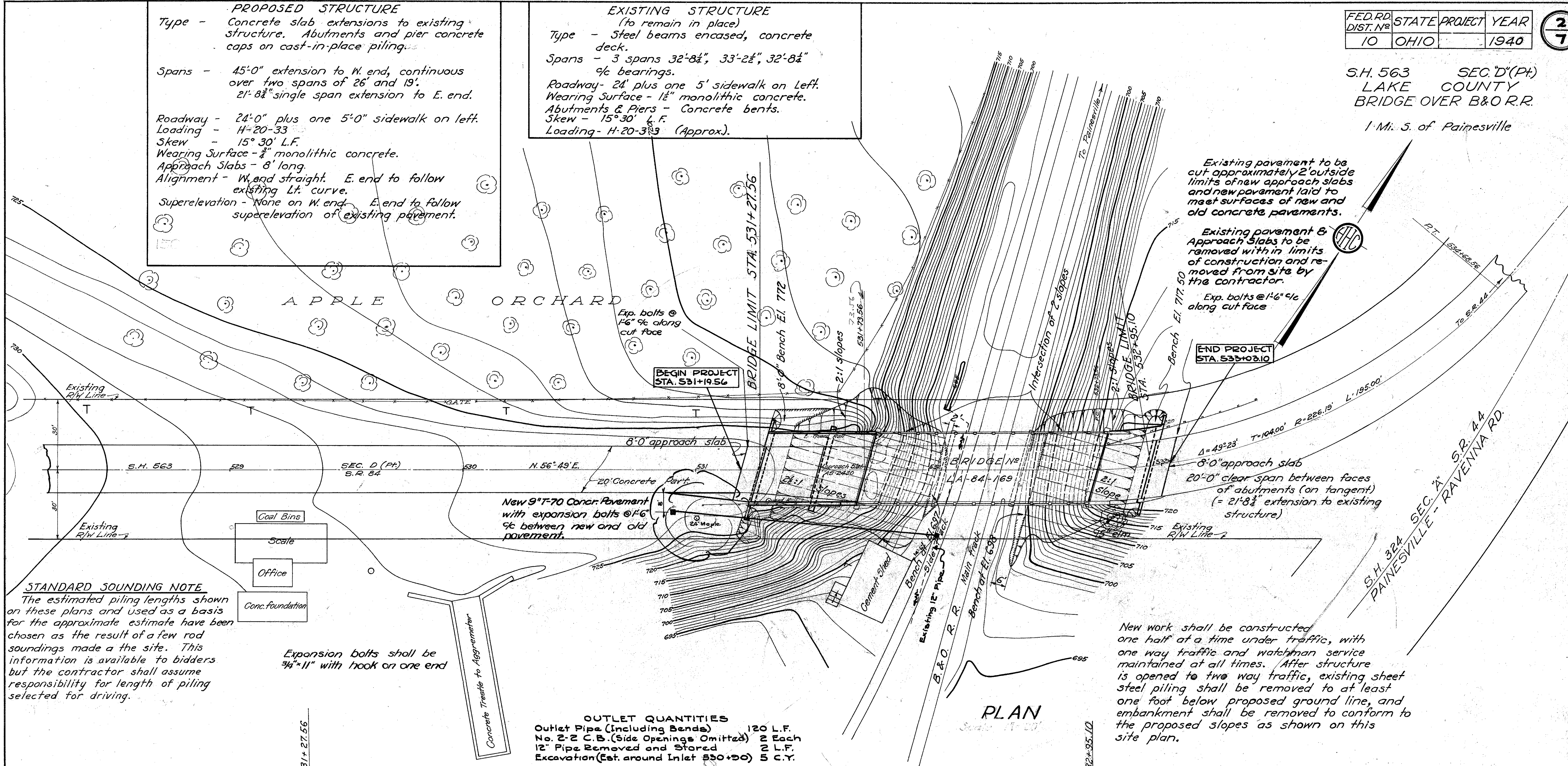
S.H. 563 SEC. D (PT.)  
LAKE COUNTY  
BRIDGE OVER B & O R.R.  
1 Mi. S. of Painesville

**PROPOSED STRUCTURE**  
Type - Concrete slab extensions to existing structure. Abutments and pier concrete caps on cast-in-place piling.

Spans - 45'-0" extension to W. end, continuous over two spans of 26' and 19'.  
21'-8 1/2" single span extension to E. end.

Roadway - 24'-0" plus one 5'-0" sidewalk on left.  
Loading - H-20-33  
Skew - 15° 30' L.F.  
Wearing Surface - 1/2" monolithic concrete.  
Approach Slabs - 8' long.  
Alignment - W. end straight. E. end to follow existing Lt. curve.  
Superelevation - None on W. end. E. end to follow superelevation of existing pavement.

**EXISTING STRUCTURE**  
(to remain in place)  
Type - Steel beams encased, concrete deck.  
Spans - 3 spans 32'-8 1/2", 33'-2 1/2", 32'-8 1/2" % bearings.  
Roadway - 24' plus one 5' sidewalk on left.  
Wearing Surface - 1/2" monolithic concrete.  
Abutments & Piers - Concrete bents.  
Skew - 15° 30' L.F.  
Loading - H-20-33 (Approx).



Existing pavement to be cut approximately 2' outside limits of new approach slabs and new pavement laid to meet surfaces of new and old concrete pavements.

Existing pavement & Approach Slabs to be removed within limits of construction and removed from site by the contractor.

Exp. bolts @ 1'-6" c/c along cut face

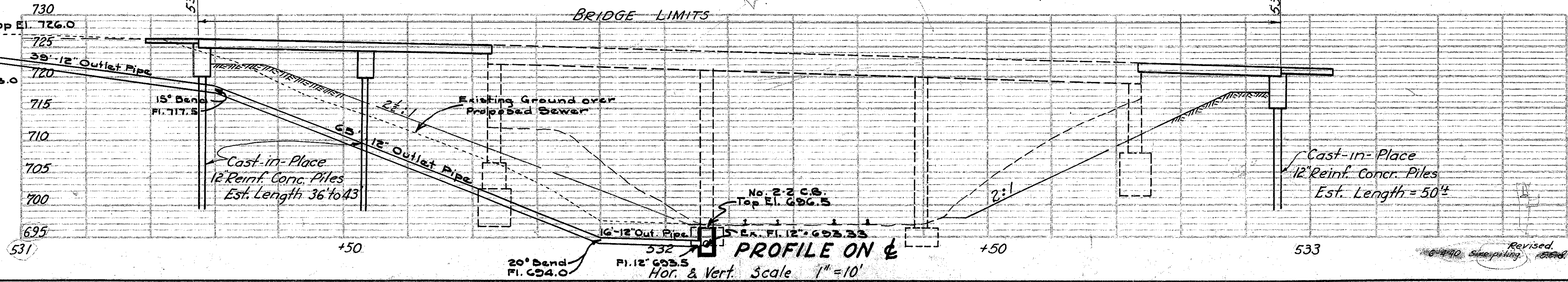
New 9" x 70" Concr. Pavement with expansion bolts @ 1'-6" c/c between new and old pavement.

New work shall be constructed with one half at a time under traffic, with one way traffic and watchman service maintained at all times. After structure is opened to two way traffic, existing sheet steel piling shall be removed to at least one foot below proposed ground line, and embankment shall be removed to conform to the proposed slopes as shown on this site plan.

**STANDARD SOUNDING NOTE**  
The estimated piling lengths shown on these plans and used as a basis for the approximate estimate have been chosen as the result of a few rod soundings made at the site. This information is available to bidders but the contractor shall assume responsibility for length of piling selected for driving.

Expansion bolts shall be 3/4" x 11" with hook on one end

**OUTLET QUANTITIES**  
Outlet Pipe (Including Bends) 120 L.F.  
No. 2-2 C.B. (Side Openings Omitted) 2 Each  
12" Pipe Removed and Stored 2 L.F.  
Excavation (Est. around Inlet 530+90) 5 C.Y.



STATE OF OHIO  
DEPARTMENT OF HIGHWAYS  
BUREAU OF BRIDGES

**SITE PLAN**  
BRIDGE NO LA-84-169  
OVER B. & O. R.R.  
LAKE COUNTY S.H. 563  
SEC. D (PT.) STA. 531+72.56  
SCALE 1" = 20'

PREPARED BY	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY
T.S. & L.	RLK	RLK	J.C.M.	
4-14-39				

Revised 6-4-40