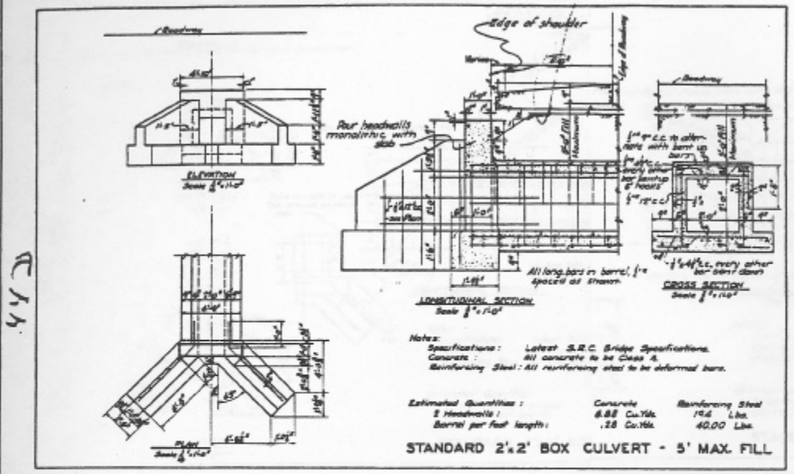
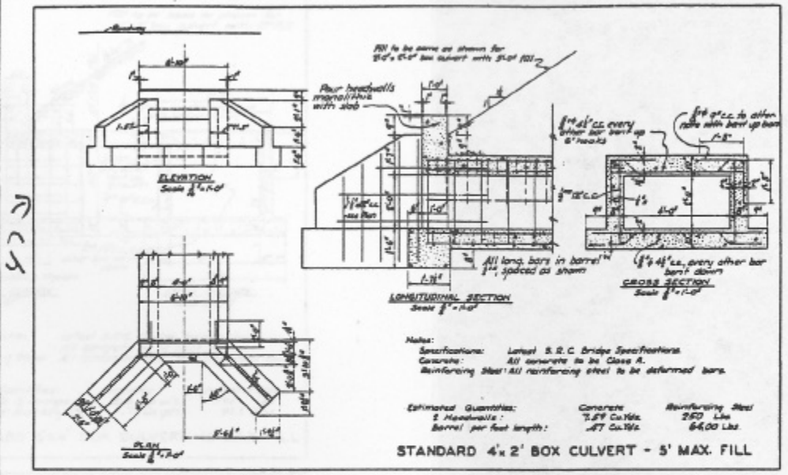
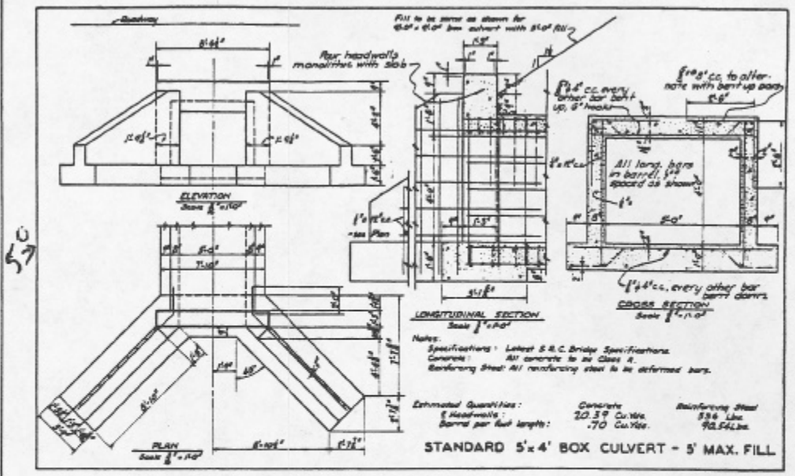


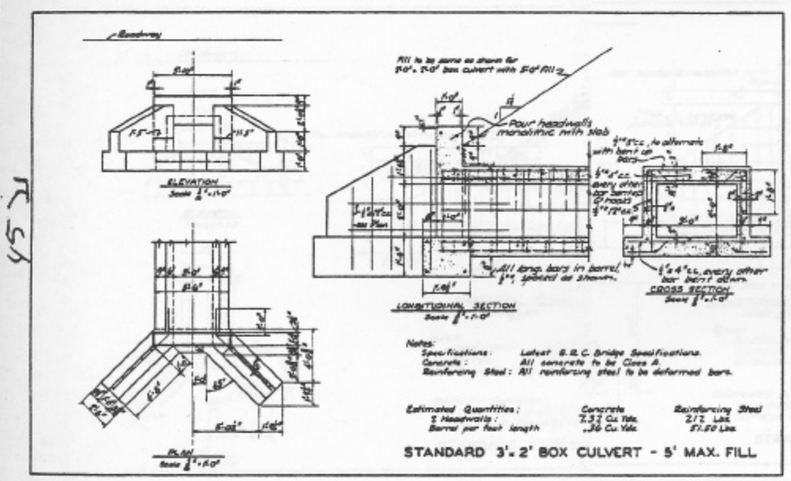
STANDARD 2'x2' BOX CULVERT - 5' MAX. FILL



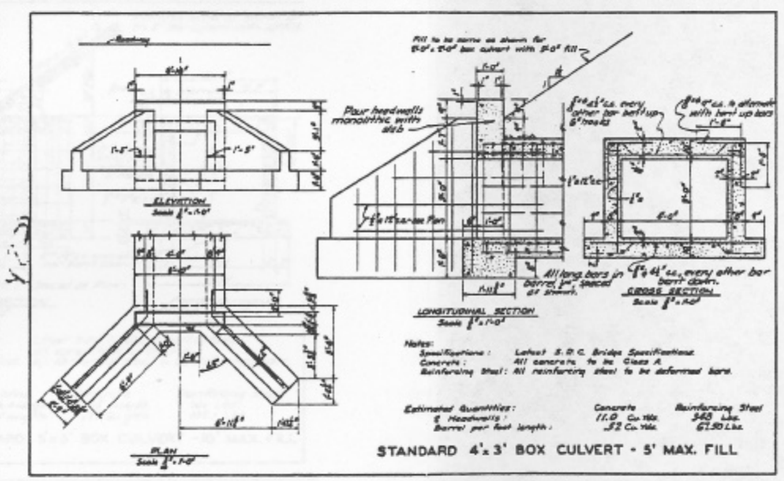
STANDARD 4'x 2' BOX CULVERT - 5' MAX. FILL



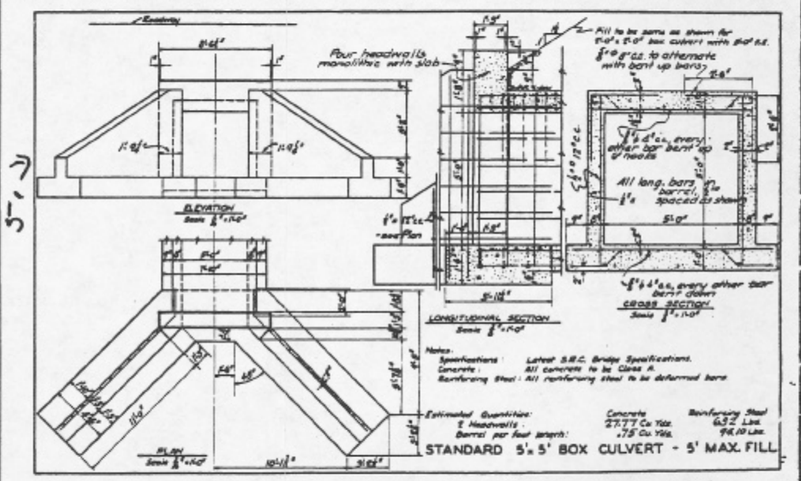
STANDARD 5'x 4' BOX CULVERT - 5' MAX. FILL



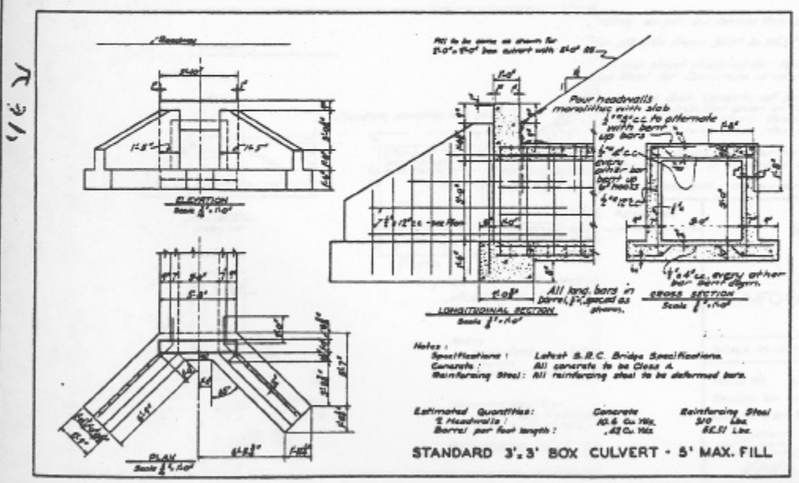
STANDARD 3'x 2' BOX CULVERT - 5' MAX. FILL



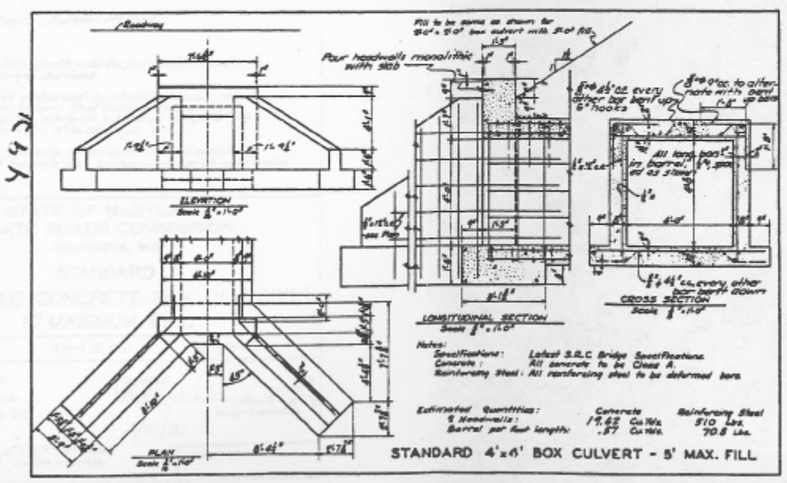
STANDARD 4'x 3' BOX CULVERT - 5' MAX. FILL



STANDARD 5'x 5' BOX CULVERT - 5' MAX. FILL



STANDARD 3'x 3' BOX CULVERT - 5' MAX. FILL



STANDARD 4'x 4' BOX CULVERT - 5' MAX. FILL

General Notes:

Loading: H 20 as per U.S. Dept. of Agriculture Bulletin No 1189. Culverts designed for all fills of 5'-0" or less.

Impact: 30% of L.L. for Fills from 0' to 5' inclusive.

Live Load Distribution: To determine fraction of truck wheel load (16,000 lbs.) per foot strip of barrel, use transverse distribution factors given in table below.
L.L. figured as concentrated load on all Fills from 0'-0" to 5'-0", no distribution in direction of span of slab.

Earth Pressure: Sidewalls and wings designed for a pressure of an earth fluid weighing 30 lbs. per cu. ft. A surcharge of 2'-0" is added to all heights for computing earth pressures.

Moments: In computing moments use distance c. to c. supports.

L.L. distributions for Fills up to 5'-0"

Span	Transverse distributions
2'-0"	3.2'
3'-0"	3.6'
4'-0"	4.2'
5'-0"	4.5'

REVISIONS

STATE OF MARYLAND
STATE ROADS COMMISSION
BALTIMORE, MD.

STANDARD
REINFORCED CONCRETE BOX CULVERTS
5' MAXIMUM FILL

SCALE As Noted | April 9, 1931 | Contract

Made by A.L.G. & W.J.M.
Traced by W.J.M. & A.L.G.
Checked by
Correct
5/4/31
Bridge Engineer

Approved
Chief Engineer
5/4/31

Sheet No. of

7150