

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	project number	170	2

### NOTES

- 100 SCOPE OF WORK: Work at this site consists of removing an existing structure and building a new triple barrel 11' x 5' x 112'-0" reinforced concrete box culvert.
- 202 REMOVAL OF STRUCTURE: The existing structure is a 2-span concrete slab bridge, 36'-0" long with a clear roadway width of 26'-0". Include all work required to remove the bridge in the contract unit price for "Removal of Structure".
- 210 ORDINARY BACKFILL: Compact material as specified in Section 203.04 G.2.a, "ND T 180."
- 602 CLASS AE-3 CONCRETE: The strength requirements of Section 802.01 A.2 "Class AE and AAE Mixes" are revised to develop a design compressive strength of 3,000 psi (AE-3) and 4,000 psi (AAE-3) at 28 days.

Cast the following elements of each section in one continuous run:

1. Floor slab and wing footings
2. Each intermediate wall up to the bottom of fillets
3. Each sidewall up to the bottom of fillets with its adjacent wings complete to the top
4. Roof slab and parapets

Allow the concrete in the walls to set at least two hours before the roof slab is poured.

- 602 CURING CONCRETE: Wet cure all concrete surfaces not covered by forms. Cover the concrete with a double thickness of burlap. Maintain surface moisture between the final finish and placement of burlap by periodic applications of a light fog spray of water. Keep the burlap continuously moist until the end of the curing period.
- 602 WEATHER LIMITATIONS: All requests in accordance with 602.04 C.4 "Weather Limitations" require approval from the NDDOT Bridge Division.
- 612 REINFORCING STEEL: When the distance between end bars is not evenly divisible by bar spacing, adjust the odd distance by a few irregular spaces near the center, not at the ends of the culvert.

Place bolsters and bar supports for the roof steel at a maximum of 4 foot spacing.

Dimensions of bent bars are given out to out.

This document  
is preliminary  
and not for  
construction or  
implementation  
purposes.

**PRELIMINARY**