

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 9' x 9' x 106'-0" reinforced concrete box culvert.
- 202 REMOVAL OF STRUCTURE: The existing structure is a triple 8' x 8' x 85'-0" reinforced concrete box culvert. Include all work required to remove the bridge and old abutments from a previous structure 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