




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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28 March 2003

MEMO TO: Mr. Victor Barbour, P.E.
Mr. Cecil Jones, P.E.
Mr. Lin Wiggins, P.E.
Mr. Steve Varnedoe, P.E.

FROM: D. R. Henderson, P.E. 
State Hydraulics Engineer

SUBJECT: Type 2 Aluminized Coatings Corrugated Steel Pipe

Current highway specifications allow Type 2 Aluminized Coating as optional material for Type A Fully Bituminous Coated galvanized pipe. After careful study and consideration it is the recommendation of the Hydraulics Unit that the use of Type 2 Aluminized Corrugated Steel Pipe be allowed as optional pipe material for the following:

Type B- In lieu of Type B, Half Bituminous Coated and Partially Paved galvanized pipe, aluminized pipe or polymeric coated pipe without a bituminous coating and paving may be used.

Type C- In lieu of Fully Bituminous Coated and Partially paved galvanized pipe, aluminized pipe or polymeric coated pipe without a bituminous coating and paving may be used.

This will allow application consistent with present utilization of Type A pipe alternate usage. It will also present a responsible solution to environmental concerns regarding the deposition of the sacrificial bituminous coating in live streams as result of coating loss over the life of the structure.

Cc: Len Sanderson, P.E.
Don Goins, P.E.
Len Hill, P.E.
Debbie Barbour, P.E.

COATED, PAVED, AND LINED CORRUGATED STEEL CULVERT PIPE 08-19-03

Revise the 2002 Standard Specifications as follows:

1032-4(E) Optional Coatings for Bituminous Coated Pipe and Pipe Arch:

Page 10-58. Delete Numbers 2. and 3., and substitute the following;

2. Type B: In lieu of Type B, Half Bituminous Coated and Partially Paved galvanized pipe, aluminized pipe or polymeric coated pipe without bituminous coating and paving may be used.
3. Type C: In lieu of Type C, Fully Bituminous Coated and Partially Paved galvanized pipe, aluminized pipe or polymeric coated pipe without a bituminous coating and paving may be used.

U:\Norma's documents\Section 1032-4(E) Optional coating for bituminous coated pipe and pipe arch.