NOTE:
The bridge and roadway widths shown are nominal. Actual widths may vary due to fabrication and construction tolerances.

Concrete for the overlay shall be Low Shrinkage Class AJ Mortar.

The reinforcing bars in the concrete overlay shall be corrosion-resistant reinforcing steel Class 17.

The surfaces of all decks shall be a clean concrete surface, free of dust and debris, with surface intentionally roughened to an aggregate of 3/4". Very High Performance Concrete shall be furnished, placed and compacted in accordance with the current VDOT Special Provisions for Shear Keys and Reinforcement between Adjacent Members.

Coating of permanent reinforcement should be done where the key is continuous and the VMC has reached a minimum strength of 4000 psi.

For waterproofing details, see sheet —

TRANSVERSE SECTION

TYPICAL INTERIOR SECTION

Typical Exterior Section

Scales: 1" = 1'-0"

Preliminary Plans
This Plan Not to Be Used for Construction

Scale: 1/4" = 1'-0" unless otherwise noted

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Department of Transportation
Structure and Bridge Division

Transverse and Typical Sections
Concrete Overlay

Index and Table of Contents

Scope of Work

Benjamin J. Enlow

June 20XX
XXX-XX

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TO BE USED AS A GUIDANCE FOR THE METAL RAILING OPTION AND THE SOLID PARAPET OPTION

Architectural treatment, typ.

TERMINAL WALL U-BACK WING RAILING PERS

ELEVATION

CHISELED LIMESTONE TEXTURE DETAIL

SECTION A-A

PRELIMINARY PLANS

DETAIL A

5% shorter size, X% min.

Notes:

Form liner shall be arranged to produce a continuous chiseled limestone pattern without apparent repetition of the pattern.

Form liner patterns shall be inspected and approved by the Department.

Details shown for 8" x 8" form liner. Contractor shall submit shop drawings with pattern layout for approval by the Department.

Architectural treatment shall be applied on 60" on c.g. of wall portion.

Width of terminal wall shall be equal to the width of the concrete panels of the railing in Section A-A.

Concrete may form a continuation joint at a groove location or edge of an architectural treatment form where the form edge is backed with plywood from the nearest panel centerline.

For all other dimensions and details not shown, see sheet nos.
TO BE USED FOR THE METAL RAILING OPTION

TERMINAL WALL ON U-BACK ELEVATION

REINFORCING STEEL SCHEDULE

PRELIMINARY PLANS

DETAIL A

VIEW A-A

SECTION B-B

SECTION C-C

SECTION D-D

NOTES:

1. All dimensions shown are measured in the respective horizontal and vertical planes.

2. The contractor shall determine all dimensions necessary for installation.

3. All concrete shall be 3" thick.

4. All reinforcing bars shall be 1/2" diameter.

5. For details and reinforcing steel schedule of railing, see sheet.

6. Each terminal wall shall be cast as one piece.

7. Terminal walls are detailed to take grade level compatibility for VDC.

8. For details of terminal wall construction joint, see detail joint.

9. Bases, where shown, shall be formed with lenses at 180° degree casing pipe.

10. Sealing of grooves for breakage shall be approximately 3".

11. Base price for architectural treatment includes concrete in relief and coping.

COMMUNICATIONS OF VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DESIGN

42° CPSR TERMINAL WALL WITH ARCHITECTURAL TREATMENT (CPSR1-1-AT) - 2

Dimensions in bending distance are outlined below bars.