APPENDIX A: LIST OF DESIGN AND CONSTRUCTION DRAWINGS

CONTRACT DOCUMENTS


PLAN DRAWINGS

VDOT (Commonwealth of Virginia Department of Transportation) (1997b). Plan and Profile of Proposed State Highway, County of Montgomery Test Bed, Fr: 0.189 km W. of Rte 723 To: 0.671 km E. of Rte 723. Plan drawings, Richmond, VA.

VDOT (Commonwealth of Virginia Department of Transportation) (1997c). Proposed Bridge on Smart Road over Wilson Creek and Route 723 Montgomery County – 0.3 km E. of NS RWY. Project IVHS-060-101, B603. Plan drawings No. 273-71, Structure and Bridge Division, Richmond, VA.

SHOP DRAWINGS AND SUMMARIES


CONSTRUCTION MANUALS


Note: The following lists give an overview of the contents of Plan Drawings and Shop Drawings.

*Plan Drawings include:*

- General Plan and Elevation;
- Index of Drawings and Estimated Quantities;
- General Notes;
- Typical Cross-Sections;
- Substructure Layout;
- Abutment A Dimensions;
- Abutment A Reinforcement;
- Abutment B Dimensions;
- Abutment B Reinforcement;
- Pier Footing Dimensions and Reinforcement;
- Piers 1 and 4 Dimensions;
- Piers 1 and 4 Reinforcement;
- Piers 2 and 3 Dimensions;
Appendix A: List of Design and Construction Drawings

- Piers 2 and 3 Reinforcement;
- Bearing Details;
- Superstructure Segment Designation;
- Type I Variable Segment Dimensions;
- Type I Variable Segment Reinforcement;
- Type II Variable Segment Dimensions;
- Type II Variable Segment Reinforcement;
- Type III Constant Depth Segment Dimensions;
- Type III Constant Depth Segment Reinforcement;
- Pier Table Dimensions, Pier Table Reinforcement;
- Pier Connections Details;
- Pier Table 3D Integrated Details;
- Abutment Segment Dimensions;
- Abutment Segment Reinforcement;
- Abutment Segment Integrated Details;
- Closure Segment Dimensions;
- Closure Segment Reinforcement;
- Transverse Post-Tensioning Details;
- Segment Bulkhead Details;
- Continuity Post-Tensioning Interior Span Layout;
- Continuity Post-Tensioning End Span Layout;
- Cantilever Post-Tensioning Layout;
- Cantilever Tendon Post-Tensioning Details;
- Pier Table P.T. Details;
- Abutment Segment P.T. Details;
- Anchor Block Details;
- Deviation Block Details;
- Superstructure P.T. Quantities and Stressing Schedule;
- Miscellaneous Superstructure Details;
Appendix A: List of Design and Construction Drawings

- Cast-In-Place Concrete Railing (Kansas Corral);
- Railing Details;
- Abutment Access Details;
- Segment Access Details;
- Expansion Joint Details;
- Conduit and Junction Box Layout;
- Conduit Support Details;
- Superstructure Erection Scheme and Construction Notes;
- Abutment A Approach Slab;
- Abutment B Approach Slab;
- Engineering Geology;
- Bearing Replacement Details;
- Localized Deck Repair;
- Expansion Joint Replacement.

Shop Drawings include:

- Pier Table Geometry;
- Dimensions & P.T.;
- Segment Designation;
- Segment Dimensions;
- Bulkhead;
- Transverse Tendon & Longitudinal Tendon Alignment Details;
- Traveler Tie-Down Locations;
- Tendon Layout Cantilever 1-4;
- Blister Type 1-4 Details;
- Railing Layout;
- Railing Reinforcing;
- Miscellaneous Details;
- Detailed Reinforcing, Reinforcing.