

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

DESIGN-BUILD PROJECT

for

INDIAN RIVER INLET BRIDGE

Replacement of Bridge 3-156,
SR1 over Indian River Inlet
State Contract # 26-073-03 Readvertised
Federal Contract # BRN-S050(14)

SCOPE OF SERVICES PACKAGE

REFERENCE DOCUMENTS

TABLE OF CONTENTS

ADJACENT CONTRACTS

- Contract #23-073-03, BR 3-156 on SR 1 Over Indian River Inlet (Roadway and Approaches) Contract Drawings with Addendums and Revisions
- Contract #23-073-03, BR 3-156 on SR 1 Over Indian River Inlet (Roadway and Approaches) Bid Proposal with Addendums and Revisions (Includes all Special Provisions)
- Contract #25-073-02, BR 3-156 on SR 1 Over Indian River Inlet (Bridge Replacement) Non-Awarded Contract Drawings with Addendums (Select Sheets)
- Contract #28-073-02, BR 3-156 on SR 1 Over Indian River Inlet (Embankment Removal)
- Contract #23-073-03, BR 3-156 on SR-1 Over Indian River Inlet (Roadway and Approaches) MSE Wall Shop Drawings prepared by Tensar Earth Technologies, Inc. issued February 8, 2006.
- Contract #23-073-03, BR 3-156 on SR 1 Over Indian River Inlet (Roadway and Approaches), Formliner Finish Rendering chosen by the Department.
- DNREC Contract 2003-DS-200 (Phase 2) Indian River Marina Redevelopment, Sheet Pile Wall Advanced Contract Drawings

ENVIRONMENTAL DOCUMENTS

- “*Final Environmental Assessment and Nationwide Section 4(f) Evaluation*,” RK&K Engineers, L.L.P., May 10, 2004, 148 p with Appendices

AS-BUILT DRAWINGS

- DNREC Contract 2003-DS-200 (Phase 2) Indian River Marina Redevelopment, Sheet Pile Wall Advanced Contract As-Built Drawings
- Department of the Army, Philadelphia District Corps of Engineers, Indian River Inlet Bulkhead Plans and Details (Existing)
- Delmarva Power (Connectiv) Utility As-Built Drawings
- Verizon-DE, Inc, Utility As-Built Drawings
- Sanitary Sewer Utility As-Built Drawings
- Water Utility As-Built Drawings

DESIGN CHARETTES

- “*Summary of the Public Information Workshop #1*,” Figg Bridge Engineers, Inc., March 2003
- “*Summary of the Public Information Workshop #2*,” Figg Bridge Engineers, Inc., April 2003
- “*Summary of the Public Information Workshop #3*,” Figg Bridge Engineers, Inc., June 2003
- “*Summary of the Public Information Workshop #4*,” Figg Bridge Engineers, Inc., October 2003

GEOTECHNICAL DATA

- **PRECONSTRUCTION DATA (Roadway and Approaches)**
 - “*Site Characterization and Preliminary Geotechnical Study*,” MACTEC, Inc., September 26, 2003
 - “*Summary of Design Soil Parameters*,” MACTEC, Inc., September 30, 2003
 - “*Final Geotechnical Roadway Report*,” MACTEC, Inc., December 24, 2003
 - “*Final Geotechnical Bridge Substructure Report*,” MACTEC, Inc., December 24, 2003
 - “*Geotechnical Summary Report*,” MACTEC, Inc., March, 2005

- **POST-CONSTRUCTION DATA (Roadway and Approaches)**

- *"Embankment Monitoring Data for Contract #23-073-03 (Roadway Approaches)"*
- *"CPT Soundings – October 2006"*
- *"SPT Borings – November 2006"*
- *"SPT and CPT Data – May 2007"*
- *"SPT and CPT Data – December 2007"*

HYDRAULIC/SCOUR

- "Addenda 1 and 2 Scour Analysis Summary,," Duffield Associates, January 21, 2005
- Coastal Engineering Assessment of Storm-Induced Scour Problem for Proposed Indian River Inlet Bridge

RIGHT-OF-WAY PLANS

- Contract #23-073-03, BR 3-156 on SR 1 Over Indian River Inlet, Right-of-Way (ROW) Plans

UNIVERSITY OF DELAWARE BRIDGE MONITORING MANUAL

- The original *"Indian River Inlet Bridge Monitoring Manual,"* by Daniel F. Weston and Timothy J. Stuffle, May 2006

WIND EFFECTS

- *"A Study of Wind Effects for Indian River Inlet Bridge, Delaware, USA, BLWT-SS31-2004,"* King, J.P.C., Galsworthy, J., Vickery, P.J., Mikitiuk, M., Kong, L., The Boundary Layer Wind Tunnel Laboratory, London, Ontario, Canada, February 2005, 427 p. with Appendices

AERIAL PHOTOS

- *"For Information Only"*