

**STATE OF DELAWARE**



**DEPARTMENT OF TRANSPORTATION**

**DESIGN-BUILD PROJECT**

for

**NEW INDIAN RIVER INLET BRIDGE**

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

**SCOPE OF SERVICES PACKAGE**

**AND**

**CONTRACT DOCUMENTS**

**TABLE OF CONTENTS**

## 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 #25-073-02, BR 3-156 on SR 1 Over Indian River Inlet (Bridge Replacement) Non-Awarded Contract Drawings with Addendums (Select Sheets)
- 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.
- DNREC Contract 2003-DS-200 (Phase 2) Indian River Marina Redevelopment, Sheet Pile Wall Advanced Contract Drawings
- Utility Contract - Delmarva Power, Proposed Electric Transmission and Distribution Relocation Plan

### 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

- *"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
- *"Embankment Monitoring Data for Contract #23-073-03 (Roadway Approaches)"*

## **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*”