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

CONTRACT DOCUMENTS

PART 3 – APPENDIX B

STANDARD AND REFERENCE PUBLICATIONS

A COMPENDIUM OF STANDARDS AND REFERNCE PUBLICATIONS IN THE PERFOMANCE SPECIFCATIONS (PART 3) AND SPECIAL PROVISIONS (PART 4)

Various Performance Specifications and Special Provisions refer to Standards and Reference publications. The titles and editions contained in this Appendix govern over the lists in the Performance Specification or Special Provision the in the event of a discrepancy. Every attempt has been made to assure this Appendix is complete and that all Standards and Reference Publications are listed herein. In the event a Standard or Reference Publication is included in a Performance Specification or Special Provision and not included in this compendium, the Proposer shall notify the Department designated point of contact in ITP Section 2.2.1 and request a disposition on the correct title and edition.

A) AASHTO, "A Guide for Achieving Flexibility in Highway Design," the latest edition with all current Interims as of the issue date of this RFP;

B) AASHTO, "A Policy on Geometric Design of Highways and Streets (Green Book)," the latest edition with Revisions as of the issue date of this RFP;

C) AASHTO, "AASHTO LRFD Bridge Construction Specifications, U.S. Customary Units," the latest edition with all current Interims as of the issue date of this RFP;

D) AASHTO, "AASHTO LRFD Bridge Design Specifications, U.S. Customary Units," the latest edition with all current Interims as of the issue date of this RFP;

E) AASHTO, "Guide Manual for Condition Evaluation and Load and Resistance Factor Rating (LRFR) of Highway Bridges," the latest edition with all current Interims as of the issue date of this RFP;

F) AASHTO, "Guide Specifications for Bridge Temporary Works," the latest edition with Revisions as of the issue date of this RFP;

G) AASHTO, "Manual for Condition Evaluation of Bridges," the latest edition with all current Interims as of the issue date of this RFP;

H) AASHTO, "Manual on Subsurface Investigations" the latest edition with all current Interims as of the issue date of this RFP;

I) AASHTO, "Model Drainage Manual," the latest edition with Revisions as of the issue date of this RFP;

J) AASHTO, "Roadside Design Guide," the latest edition with Revisions as of the issue date of this RFP;

K) AASHTO, "Standard Specifications for Highway Bridges," as modified by all current errata sheets;

L) AASHTO/AWS D1.5 "Bridge Welding Code" the latest edition with Revisions as of the issue date of this RFP;

M) ACI 207.1 R-96, "Mass Concrete";

N) ACI 305 R-99, "Hot Weather Concreting";

O) ACI 306 R-02, "Cold Weather Concreting";

P) ACI 336.1 "Specification for the Construction of Drilled Piers"

Q) ASTM D 2487, "Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)";

R) ASTM D 2488, "Standard Practice for Description and Identification of Soils (Visual-

Manual Procedure);"

S) CEB-FIB "Model Code 1990," the latest edition with Revisions as of the issue date of this RFP, Chapter 2: Material Properties, for time dependent properties of concrete only;

T) Delaware Department of Transportation "Erosion and Sediment Control and Stormwater Management (ES2M) Design Guide," the latest edition as of the issue date of this RFP;

U) Delaware Department of Transportation, "Bridge Design Manual," the latest edition with Revisions as of the issue date of this RFP;

V) Delaware Department of Transportation, "Bridge Maintenance Manual," the latest edition as of the issue date of this RFP;

W) Delaware Department of Transportation, "Construction Manual," January 2004, with Revisions as of the issue date of this RFP;

X) Delaware Department of Transportation, "Construction Manual," the latest edition as of the issue date of this RFP;

Y) Delaware Department of Transportation, "Materials and Research Manual," the latest edition with Revisions as of the issue date of this RFP;

Z) Delaware Department of Transportation, "Standard Construction Details," the latest edition as of the issue date of this RFP;

AA) Delaware Department of Transportation, "Standard Specifications for Road and Bridge Construction," Dated 2001;

BB) Delaware Department of Transportation, "Supplemental Specifications, Revisions and Corrections to the August 2001 Standard Specifications," (Part 4 – Appendix A);

CC) Delaware Department of Transportation, "Traffic Controls for Street & Highway Construction, Maintenance, Utility & Emergency Operations," the latest edition as of the issue date of this RFP;

DD) Department of Transportation, Federal Highway Administration, Finding of No Significant Impact for Bridge 156 Over Indian River Inlet, Sussex County, Delaware, June 22, 2004;

EE) DFI and ADSC, "Drilled Shaft Inspector's Manual, Second Edition, 2004," 2004 Drilled Shaft Committees of DFI: Deep Foundations Institute and ADSC: International Association of Foundation Drilling;

FF) DNREC, "Delaware Erosion & Sediment Control Handbook," the latest edition as of the issue date of this RFP;

GG) Federal Aviation Administration's (FAA) Advisory Circular 150/5345-43, the latest edition as of the issue date of this RFP

HH) FHWA, "Advanced Course on Slope Stability, Volume 1," FHWA-SA-94-005, 1994;

II) FHWA, "Advanced Technology for Soil Slope Stability, Volume 1: Slope Stability Manual," FHWA-SA-94-005, 1994;

JJ) FHWA, "Bridge Inspector's Reference Manual," FHWA NHI 03-001, the latest edition as of the issue date of this RFP;

KK) FHWA, "Corrosion/Degradation of Soil Reinforcements for Mechanically Stabilized Earth Walls and Reinforced Soil Slopes," FHWA NHI-00-044, 2000;

LL) FHWA, "Design and Construction of Driven Pile Foundations Reference Manual" Volumes 1 and 2, FHWA-NHI-05-042 & -43, 2006;

MM) FHWA, "Drilled Shafts: Construction Procedures and Design Methods," FHWA-IF-99-025, the latest edition as of the issue date of this RFP;

NN) FHWA, "Geosynthetic Design and Construction Guidelines," FHWA HI-95-038, the latest edition as of the issue date of this RFP;

OO) FHWA, "Geotechnical Instrumentation," FHWA HI-98-034, 1998;

PP) FHWA, "Ground Improvement Methods – Reference Manual," FHWA NHI-04-001, the latest edition as of the issue date of this RFP;

QQ) FHWA, "Manual of Uniform Traffic Control Devices (MUTCD)," the latest edition with Revisions as of the issue date of this RFP;

RR) FHWA, "Mechanically Stabilized Earth Walls and Reinforced Soil Slopes Design and Construction Guidelines," FHWA NHI-00-043;

SS) FHWA, "Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges (Coding Guide)," Report No. FHWA-PD-96-001, as amended;

TT) FHWA, "Soils and Foundations Workshop Manual," FHWA NHI-00-045, 2000;

UU) FHWA, "Training Course in Geotechnical and Foundation Engineering: Subsurface Investigations," FHWA-HI-97-021, 1997;

VV) FHWA, "Training Course in Geotechnical and Foundation Engineering: Subsurface Investigations - Participants Manual," FHWA-HI-97-021, 1997;

WW) FHWA, "Training Course in Geotechnical and Foundation Engineering: Earth Retaining Structures - Participants Manual," FHWA-NHI-99-025, 1999;

XX) FHWA, "Wind Induced Vibration of Stay Cables," RDT 05-004, Feb 2005;

YY) FHWA, Geotechnical Engineering Circular No. 5: "Evaluation of Soil and Rock Properties," FHWA-IF-02-034, April 2002;

ZZ) FHWA, Geotechnical Engineering Circular No. 6: "Shallow Foundations," FHWA-IF-02-054, 2002;

AAA) Final Environmental Assessment and Nationwide Section 4(f) Evaluation, May 10, 2004;

BBB) Geotechnical Summary Reports included in the Reference Documents to the Scope of Services Package.

CCC) Illuminating Engineering Society of North America, "Roadway Lighting ANSI Approved Reaffirmed in 2005," IES-RP-8-00;

DDD) InterNational Electrical Testing Association (NETA), "The Maintenance Specifications," the latest edition as of the issue date of this RFP;

EEE) NFPA, "NFPA 780: Standard for the Installation of Lightning Protection Systems," the latest edition as of the issue date of this RFP;

FFF) NFPA, "NFPA-70: National Electric Code," (NEC) the latest edition as of the issue date of this RFP;

GGG) OSHA "Part 1910 -- Occupational Safety and Health Standards," the latest edition as of the issue date of this RFP;

HHH) Pontis Bridge Management System (BMS), Release 4, AASHTO/FHWA;

III) PTI Guide Specification, "Grouting of Post-Tensioned Structures," the latest edition with Revisions as of the issue date of this RFP;

JJJ) PTI Guide Specification, "Recommendations for Stay Cable Design, Testing and Installation", the latest edition with Revisions as of the issue date of this RFP, ("soft" conversion of the Document's metric units is required);

KKK) PTI Manual, "Post-Tensioning Manual," the latest edition as of the issue date of this RFP

LLL) Scope of Services Package – Contract Documents Part 3 – Design-Build Performance Specifications;

MMM) Scope of Services Package – Contract Documents Part 4 – Design-Build Special Provisions;

NNN) Scope of Services Package – Contract Documents Part 6 – Directive and Indicative Plans;

OOO) The Boundary Layer Wind Tunnel Laboratory, "A Study of Wind Effects for Indian River Inlet Bridge, Delaware, USA," May 2005. Only Section 2 – Modeling of the Site and the Wind is applicable to this Project;

PPP) TRB, "Highway Capacity Manual," Special Report 209. Third Edition. Transportation Research Board, National Research Council, Washington, D.C.;

QQQ) TRB, "NCHRP Report 480: A guide to Best Practices for Achieving Context Sensitive Solutions";

RRR) United States Coast Guard (USCG) 33 CFR 118.

SSS) XSTABL, Version 5, Interactive Software Designs, Inc. 1994 or PCSTABL4;