EXECUTIVE SUMMARY
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With extensive international tunneling and marine design and construction experience, Salini Impregilo/Healy/GLF JV, along with Lead Designer McMillen Jacobs Associates, looks forward to a fully integrated Partnership with the Chesapeake Bay Bridge and Tunnel District (District) to successfully complete the Parallel Thimble Shoal Tunnel (PTST) Project.

We have assembled a joint venture consisting of highly experienced firms with proven track records successfully completing major underground projects similar in size and complexity to the PTST Project, including the construction of nearly 800 miles of tunnel. We bring an integrated design-build team with a single point of contact and responsibility, through Project Manager Jim Nickerson. Our team consists of Salini Impregilo S.p.A., S.A. Healy Company, and GLF Construction Corporation. The JV is supported by industry-leading design firm McMillen Jacobs Associates, with extensive experience in design of soft-ground tunnel systems.

Joining the design team are subconsultants Langan, STV and Stacey Agnew. As shown in our Statement of Qualifications, the Joint Venture member firms have extensive experience in the design and construction of world-class transportation systems in environmentally sensitive areas in the U.S. and internationally. Our respective firms collectively represent the cutting edge in the tunnel and transportation design and construction industry. Our project organization possesses the qualifications and abilities necessary to successfully manage, design, and build the PTST project.
TEAM MEMBERS

**Salini Impregilo S.p.A.** is the largest general construction contractor in Italy and is ranked 34th in Engineering News Record’s (ENR) 2014 Top 250 International Contractors. Throughout the course of the Project, Salini Impregilo will act as the Joint Venture’s managing partner. As a contractor with more than 100 years of worldwide experience, Salini Impregilo is well versed in the construction of transit systems in Europe and South America. Salini Impregilo has constructed more than 22,370 miles of roads and highways, 776 miles of tunnels for many different uses, 126 miles of high-speed rail, 4,164 miles of railway, 211 miles of urban rail systems, and 200 miles of bridges and viaducts.

**S.A. Healy Company** is a leading U.S. tunnel and heavy construction contractor with over 90 years of continuous experience, which has played an integral and pioneering role in the tunneling of America. Since its founding in 1923, the company has tunneled over 100 miles and completed more than 200 projects worth billions of dollars. Since 1982, S.A. Healy has operated as a wholly-owned subsidiary of Salini Impregilo S.p.A.

**GLF Construction Corporation** is an international engineering and construction company, specializing in the areas of heavy civil, marine work, major bridge structures, general contracting, and design-build. The experience of the GLF team encompasses all aspects of marine work including piers, bulkheads, jetties and walls, as well as subaqueous pipelines.

**McMillen Jacobs Associates**, founded in 1955, is an award-winning leader in tunnel engineering. They provide practical, cost-effective, and innovative design services for difficult underground projects in the water, wastewater, and transportation sectors. As Lead Designer, McMillen Jacobs Associates has assembled an integrated team of subconsultants including Langan for geotechnical engineering, STV, Inc., for transportation engineering, and Stacey Agnew for Fire/Life/Safety and mechanical engineering.
GENERAL QUALIFICATIONS

Highly Qualified Staff
We have gathered a group of highly experienced transportation professionals for our key senior management positions. Collectively, the Joint Venture’s senior management team has experience in every aspect of the PTST Project, from marine construction, soft-ground tunnel design and construction in difficult environments, to risk management, quality and construction safety programs.

Quality Manager James Grayson has 18 years of experience and is a highly experienced quality management professional. James will review all Quality Assurance (QA) and Quality Control (QC) processes and procedures for both design and construction of the project. James will interface with the District’s QA team for accountability, compliance, and assurance that the processes and procedures required for a sound QA/QC program meet the District’s goals for quality and accountability.

Safety Manager John Cassidy has 35 years of experience in infrastructure construction health and safety programs. As safety director for S.A. Healy Company, the wholly-owned U.S. subsidiary of Salini Impregilo S.p.A., John oversees the organization and the auditing of all matters related to health and safety for the construction projects in progress.

Environmental Manager Michael Tumulty, P.E. has 35 years of experience with the environmental permitting process and associated requirements, as well as with environmental design and construction management/compliance on large, complex transportation projects in environmentally sensitive areas. Mr. Tumulty has expertise in coordinating with federal and state environmental regulatory agencies, combined with knowledge of their respective permitting requirements. Mr. Tumulty’s transportation experience includes two tunnel projects, three bridge projects, a major bus project, four highway/roadway projects, 15 rail projects, and two transportation facilities projects. A recognized environmental expert, Mr. Tumulty has extensive knowledge in erosion and sediment control, protection of endangered species, river resources, dredging materials, and wetlands.

Lead Mechanical Engineer Conrad Stacey’s experience and insight is built on past technical roles in a wide variety of fields. He has worked as a design and plant engineer in the mining industry, and, for the last 16 years, on ventilation and fire life safety in underground infrastructure. Until late in 2009, Conrad led the tunnel ventilation and underground fire life safety team of a large consulting firm based in Brisbane, Australia, managing technical involvement in providing tunnel ventilation and fire safety answers for metros and road and rail tunnels in many parts of the world.
BORED TUNNEL QUALIFICATIONS

Our bored tunnel qualifications are second to none. We have enhanced the project organization with the value-added position of Design-Build Coordinator, effectively blending our design and construction expertise early during the project design phase.

**Design Build Project Manager Jim Nickerson** has 32 years of heavy civil construction experience, with the underground, transit, transportation, engineering, construction and design-build experience necessary to fully understand all of the issues related to design and construction of Parallel Thimble Shoal Tunnel. He will report directly to the District and be the single point of contact for the Joint Venture. Jim has worked with McMillen Jacobs Associates on many projects over the years, and worked with **Design Manager Dan Adams** side-by-side on the Brightwater Central Project in Seattle. All of the Joint Venture’s key construction personnel for the PTST project have been working with Jim for the past six years on the Lake Mead Intake No. 3 Shafts and Tunnel Project in Nevada, which has been internationally recognized for setting world records in pressurized face tunneling.

In order to improve the design-build process, **Claudio Cimiotti** will be assigned the responsibility of the value-added position of Design-Build Coordinator. Claudio has performed a similar role on the design-build Lake Mead Project for the past six years. Claudio’s proven track record in delivering complex design-build projects will make him invaluable to the project, as he will work closely with Dan and Jim to insure there is full integration of constructability considerations into the project design.
**Design Manager Dan Adams, P.E.** (Virginia P.E. pending) of McMillen Jacobs Associates has 27 years of experience in the design and construction of tunnels and underground structures. For the past 11 years, Dan has worked almost exclusively as Project Manager or Principal Engineer for the design of transit and transportation projects delivered under both design-build and bid-build delivery methods. He is currently serving as Project Director for final design of Northgate Link, a $1.2 billion underground extension of Sound Transit’s light rail system. Dan’s experience as a contractor’s designer on design-build projects informed his philosophy that constructability needs to be considered on an ongoing basis throughout final design. His communication skills and ability to manage and engage people across multi-disciplined organizations has become a benchmark for many of the firm’s largest clients.

**Construction Manager Renzo Ceccato** has over 46 years of experience providing management and oversight of a wide range of major infrastructure construction projects. Renzo is one of the premier construction managers in the heavy construction industry. His worldwide experience includes all aspects of underground excavation, deep shafts, complex underground excavations, supports, and linings, TBM tunneling, and large hydropower and facilities. Renzo’s forte includes the detailed study, planning, procurement of equipment and materials, and execution of complicated construction means and methods.

**Geotechnical Manager Matt Meyer** has served in the capacity as the Geotechnical Engineer of Record on numerous large scale projects. He has overseen and managed both the design/investigation phase as well as the geotechnical observation/monitoring during project construction phases. He directly managed, oversaw and trained personnel ranging from staff geotechnical engineers to Senior Project Managers. He has led and provided senior technical advice on projects in over ten U.S. states, various Caribbean Islands, Brazil, the Middle East, Romania, Turkmenistan and Australia.

**Lead Tunnel Engineer J. Andrew McGlenn, P.E., S.E., P.Eng** has been involved with the design and construction of underground transportation water and wastewater, and transportation facilities both in the United States and abroad. Andrew has performed structural and detailed design of shafts and tunnels, including development of specifications and contract documents, as well as seismic analysis and design of primary and secondary lining systems. He has successfully managed large project teams across multiple offices to produce construction documents.

**SUMMARY**

Salini Impregilo/Healy/GLF Joint Venture provides a fully-integrated design/construction team with extensive U.S. and international expertise in the design, construction, and implementation of transportation, tunnel, and marine projects. We will utilize this expertise, along with detailed knowledge of the District’s requirements, to meet all the PTST project challenges. We look forward to building a true partnership with the District to successfully deliver this important transportation project to the Chesapeake Bay area.