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I-64 Hampton Roads Bridge-Tunnel Expansion Project

Hampton Roads Connector Partners  
240 Corporate Blvd. 4<sup>th</sup> floor  
Norfolk, VA 23502

Hampton-Norfolk, Virginia  
August 30, 2019

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**HAMPTON ROADS CONNECTOR PARTNERS**

240 Corporate Blvd, 4<sup>th</sup> floor  
Norfolk, VA 23502

August 30, 2019

Ms. Allison Lay  
Virginia Marine Resources Commission  
380 Fenwick Road, Building 96,  
Ft. Monroe, Virginia 23651

Regulator of the Day  
US Army Corps of Engineers  
Norfolk District  
803 Front Street  
Norfolk, Virginia 23510

Mr. Jeffrey Hannah  
Virginia Department of Environmental Quality  
5636 South Boulevard  
Virginia Beach, Virginia 23462

RE: Hampton Roads Bridge Tunnel Expansion Project, Standard Joint Permit  
Application

Dear Ms. Lay, USACE Regulator of the Day, and Mr. Hannah:

Enclosed for your review and approval is the Standard Joint Permit Application (JPA) for the Hampton Roads Bridge Tunnel Expansion Project. We, along with the Virginia Department of Transportation (VDOT), have initiated coordination regarding this project with your agencies in compliance with the National Environmental Policy Act (NEPA). We are grateful for the input that your agencies have provided over the past five months. This has resulted in additional avoidance and minimization of environmental impacts associated with this important transportation project.

Please contact me by email [jimartinalosb@dragados-usa.com](mailto:jimartinalosb@dragados-usa.com) or phone 404-702-1030 if you have any questions during your review of this permit application. We anticipate that the information included in this application will allow a thorough review and successful permitting process. I, and my team, look forward to working with you as we strive toward an April 2020 start date for in-water construction.

Sincerely,

A handwritten signature in blue ink, consisting of several overlapping loops and a vertical stroke, positioned above the printed name.

Jose Ignacio Martin Alos  
Project Executive  
Hampton Roads Connector Partners

CC: Jim Utterback (VDOT)  
George Janek (USACE)  
Stephen Powell (USACE)



## Acronym List for JPA

|                 |  |
|-----------------|--|
| APE             | Area of Potential Effect                       |
| ASMFC           | Atlantic States Marine Fisheries Commission    |
| B-IBI           | Benthic Index of Biotic Integrity              |
| BMP             | Best Management Practices                      |
| CBBT            | Chesapeake Bay Bridge Tunnel                   |
| CFR             | Code of Federal Regulations                    |
| CGP             | Construction General Permit                    |
| CIDMMA          | Craney Island Dredged Material Management Area |
| CJV             | Construction Joint Venture                     |
| CTB             | Commonwealth Transportation Board              |
| CWA             | Clean Water Act                                |
| cy              | Cubic Yard(s)                                  |
| DFP             | Deep Foundation Piles                          |
| DGIF            | Department of Game and Inland Fisheries        |
| DGPS            | Differential Global Positioning System         |
| DMMP            | Dredged Material Management Plan               |
| DO              | Dissolved Oxygen                               |
| DQO             | Data Quality Objective                         |
| DRC             | Dominion Recycling Center                      |
| EA              | Environmental Assessment                       |
| EFH             | Essential Fish Habitat                         |
| EIS             | Environmental Impact Statement                 |
| EPA             | Environmental Protection Agency                |
| ESA             | Endangered Species Act                         |
| ESCP            | Erosion and Sediment Control Plan              |
| ESCs            | Erosion and Sediment Controls                  |
| FEIS            | Final Environmental Impact Statement           |
| FHWA            | Federal Highway Administration                 |
| FONSI           | Finding of No Significant Impact               |
| ft              | Foot or feet                                   |
| ft <sup>2</sup> | Square Feet                                    |
| GI              | Ground Improvement                             |
| HAPC            | Habitat Area of Particular Concern             |
| HCA             | Habitat Condition Assessment                   |
| HOT             | High Occupancy Toll                            |
| HRBT            | Hampton Roads Bridge-Tunnel                    |
| HRCP            | Hampton Roads Connection Partners              |

|       |  |
|-------|--|
| HRCS  | Hampton Roads Crossing Study                           |
| HRTAC | Hampton Roads Transportation Accountability Commission |
| HRTPO | Hampton Roads Transportation Planning Organization     |
| HRRC  | Hampton roads Recovery Center                          |
| HUC   | Hydrologic Unit Code                                   |
| IHA   | Incident Harassment Authorization                      |
| ISTEA | Intermodal Surface Transportation Efficiency Act       |
| ITS   | Intelligent Transportation System                      |
| ITT   | Immersed Tube Tunnel                                   |
| JG    | Jet Grout  |
| JGR   | Jet Grout Residuals                                    |
| JPA   | Joint Permit Application                               |
| LEDPA | Least Environmentally Damaging Practicable Alternative |
| LNTF  | Limited Notice To Proceed                              |
| LOD   | Limits of Disturbance                                  |
| MAFM  | Mid-Atlantic Fishery Management Council                |
| MDDNR | Maryland Department of Natural Resources               |
| MGD   | Million Gallons per Day                                |
| mg/L  | Milligram(s) per liter                                 |
| MHHW  | Mean Higher High Water                                 |
| MLLW  | Mean Lower Low Water                                   |
| MMP   | Materials Management Plan                              |
| MMMBT | Monitor-Merrimac Memorial Bridge Tunnel                |
| MOT   | Maintenance of Traffic                                 |
| MSV   | Multi-Service Vehicle                                  |
| NEFMC | New England Fishery Management Council                 |
| NEPA  | National Environmental Policy Act                      |
| NMFS  | National Marine Fisheries Service                      |
| NOAA  | National Oceanic and Atmospheric Administration        |
| NODS  | Norfolk Offshore Disposal Site                         |
| NRHP  | National Register of Historic Places                   |
| NTU   | Nephelometric Turbidity Unit                           |
| P2    | Pollution Prevention                                   |
| PA    | Programmatic Agreement                                 |
| PJD   | Preliminary Jurisdictional Determination               |
| PTST  | Parallel Thimble Shoals Tunnel                         |
| RMA   | Resource management Areas                              |
| QA    | Quality Assurance                                      |
| QC    | Quality Control  |
| RMA   | Resource Management Areas                              |
| ROD   | Record of Decision                                     |
| ROW   | Right of Way   |
| RPA   | Resource Protection Areas                              |
| SAV   | Submerged Aquatic Vegetation                           |
| SEIS  | Supplemental Environmental Impact Statement            |

|       |  |
|-------|--|
| SHPO  | State Historic Preservation Office               |
| SPSA  | Southern Public Service Authority                |
| SPRP  | Spill Prevention Response Plan                   |
| S&TP  | Separation and Treatment Plant for TBM           |
| SRP   | Settlement Reduction Piles                       |
| SW    | Slurry Wall                                      |
| SWPPP | Stormwater Pollution Prevention Plan             |
| STP   | Slurry Treatment Plant                           |
| TAS   | Tunnel Approach Structure                        |
| TBM   | Tunnel Boring Machine                            |
| USACE | U.S. Army Corps of Engineers                     |
| USGS  | U.S. Geological Survey                           |
| VD    | Variable Density                                 |
| VDEQ  | Virginia Department of Environmental Quality     |
| VDGIF | Virginia Department of Game and Inland Fisheries |
| VDOT  | Virginia Department of Transportation            |
| VECOS | Virginia Estuarine and Coastal Observing System  |
| VESCH | Virginia Erosion and Sediment Control Handbook   |
| VMRC  | Virginia Marine Resources Commission             |
| VPDES | Virginia Pollutant Discharges Elimination System |
| VWAP  | Virginia Wildlife Action Plan                    |
| VWP   | Virginia Water Protection                        |
| WOUS  | Waters of the United States                      |
| WQ    | Water Quality                                    |
| WQMP  | Water Quality Monitoring Plan                    |
| WTP   | Water Treatment Plant                            |