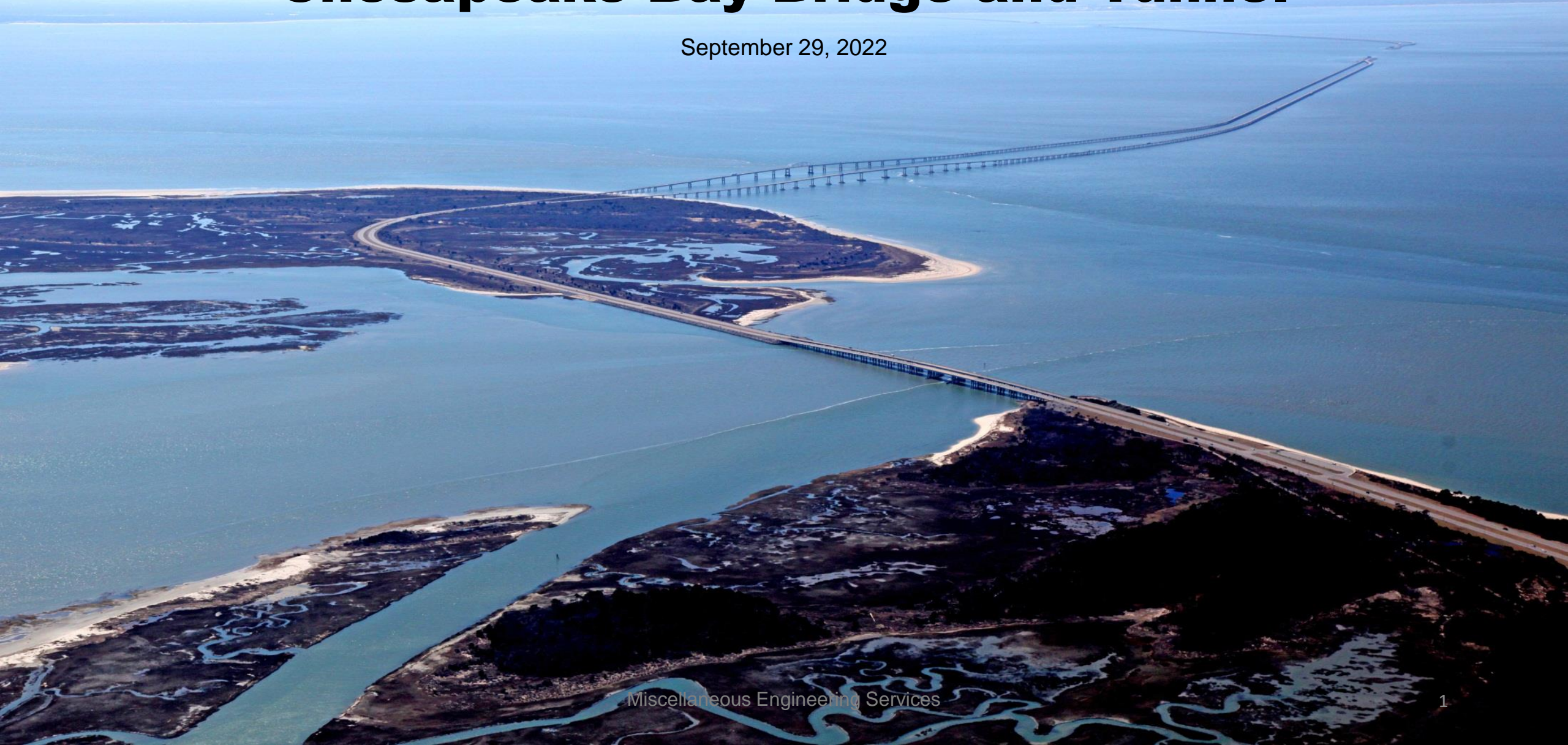


Miscellaneous Engineering Services Chesapeake Bay Bridge and Tunnel

September 29, 2022

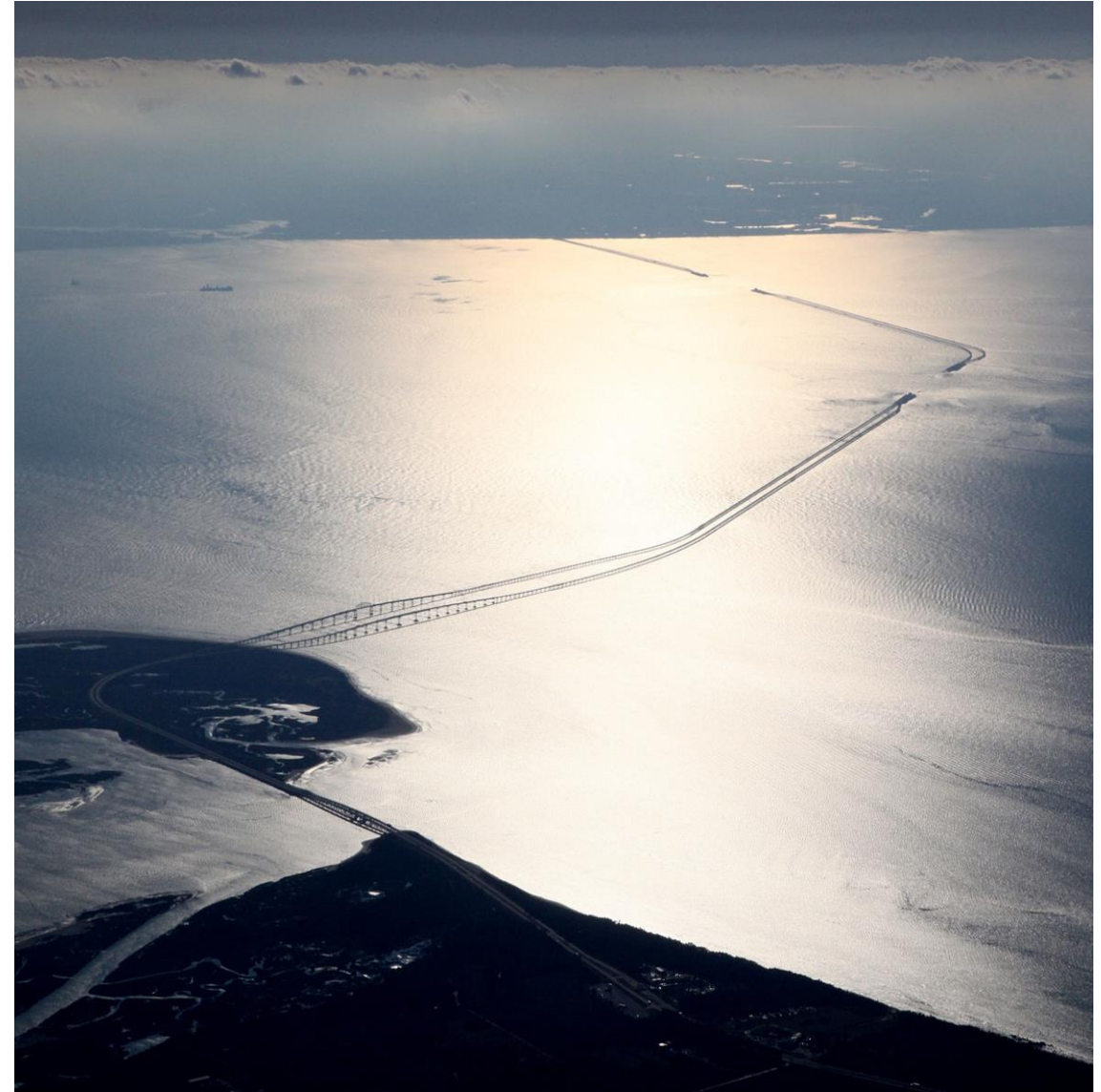


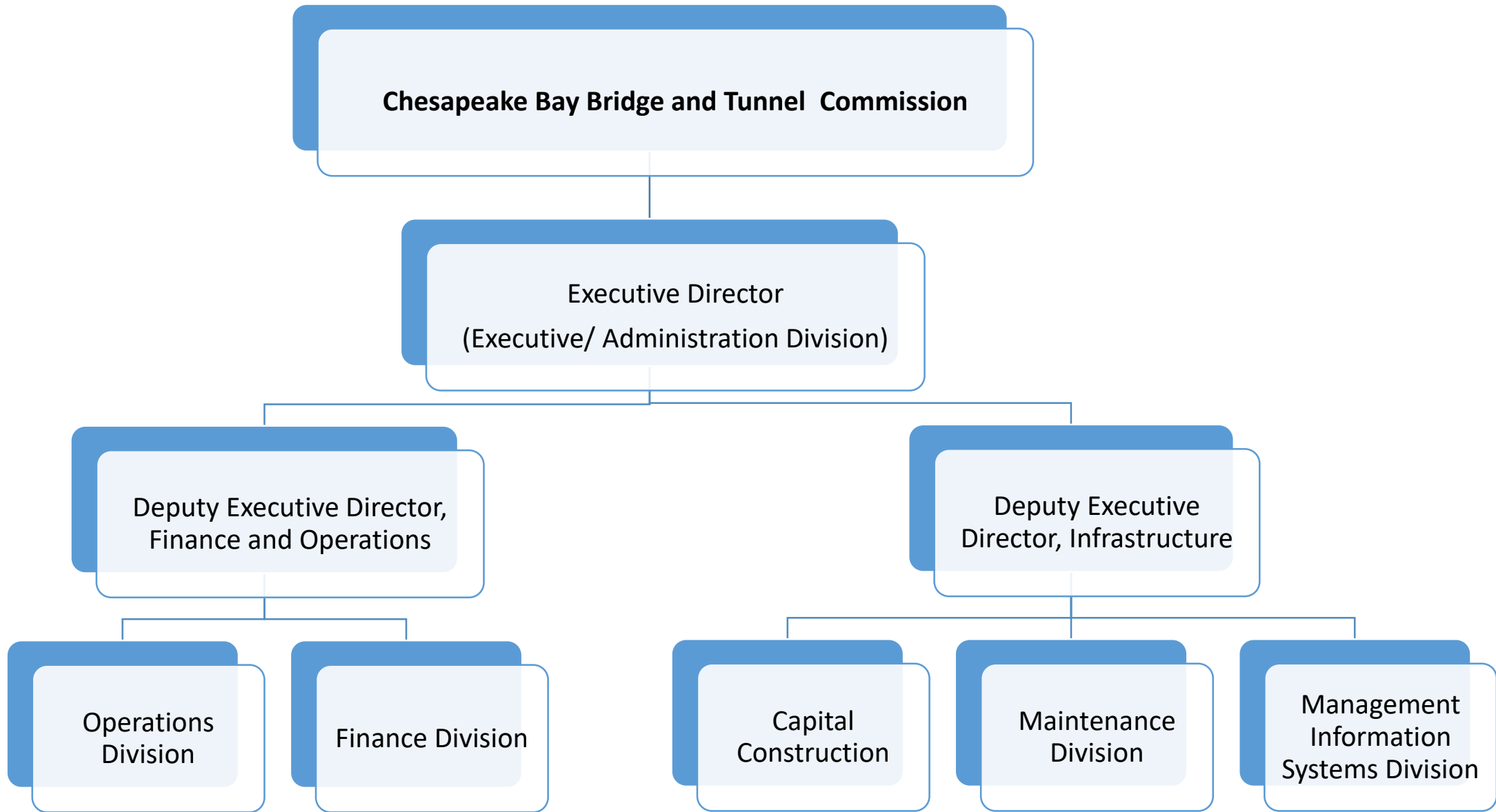
Introduction

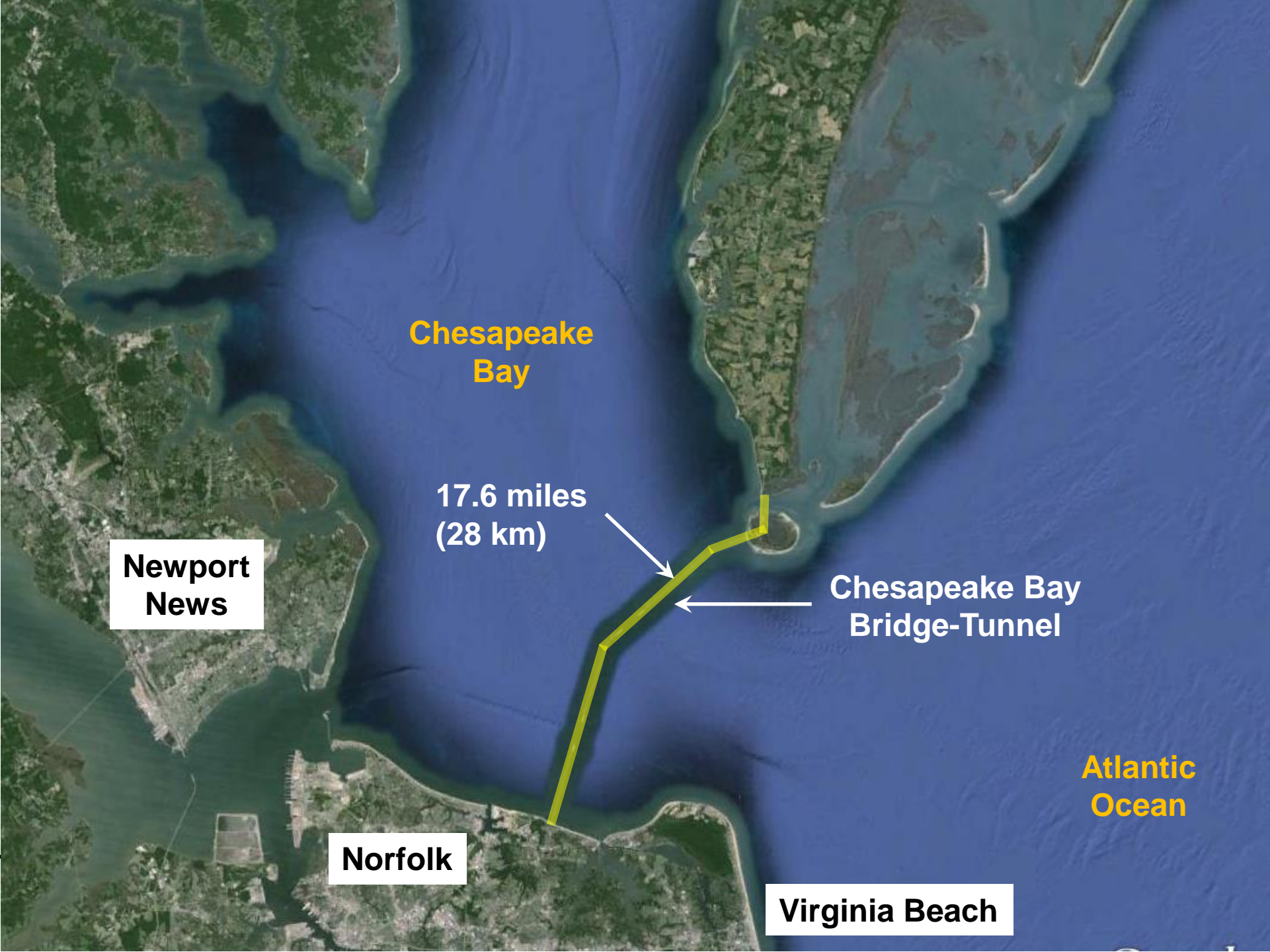
- Michael Crist, P.E.
- Deputy Executive Director,
Infrastructure
- (757) 331-8961
- Timothy Holloway
- Director of Maintenance
- (757) 331-8963

Introduction

- Chesapeake Bay Bridge and Tunnel Commission
 - Political Subdivision of the Commonwealth
 - 11 Members Appointed by the Governor
- Chesapeake Bay Bridge and Tunnel District
 - Day-to-Day Operations and Maintenance
- Operate like a City or County Government
- All Funding From Toll Revenue







Chesapeake Bay

**17.6 miles
(28 km)**

Newport News

Chesapeake Bay Bridge-Tunnel

Atlantic Ocean

Norfolk

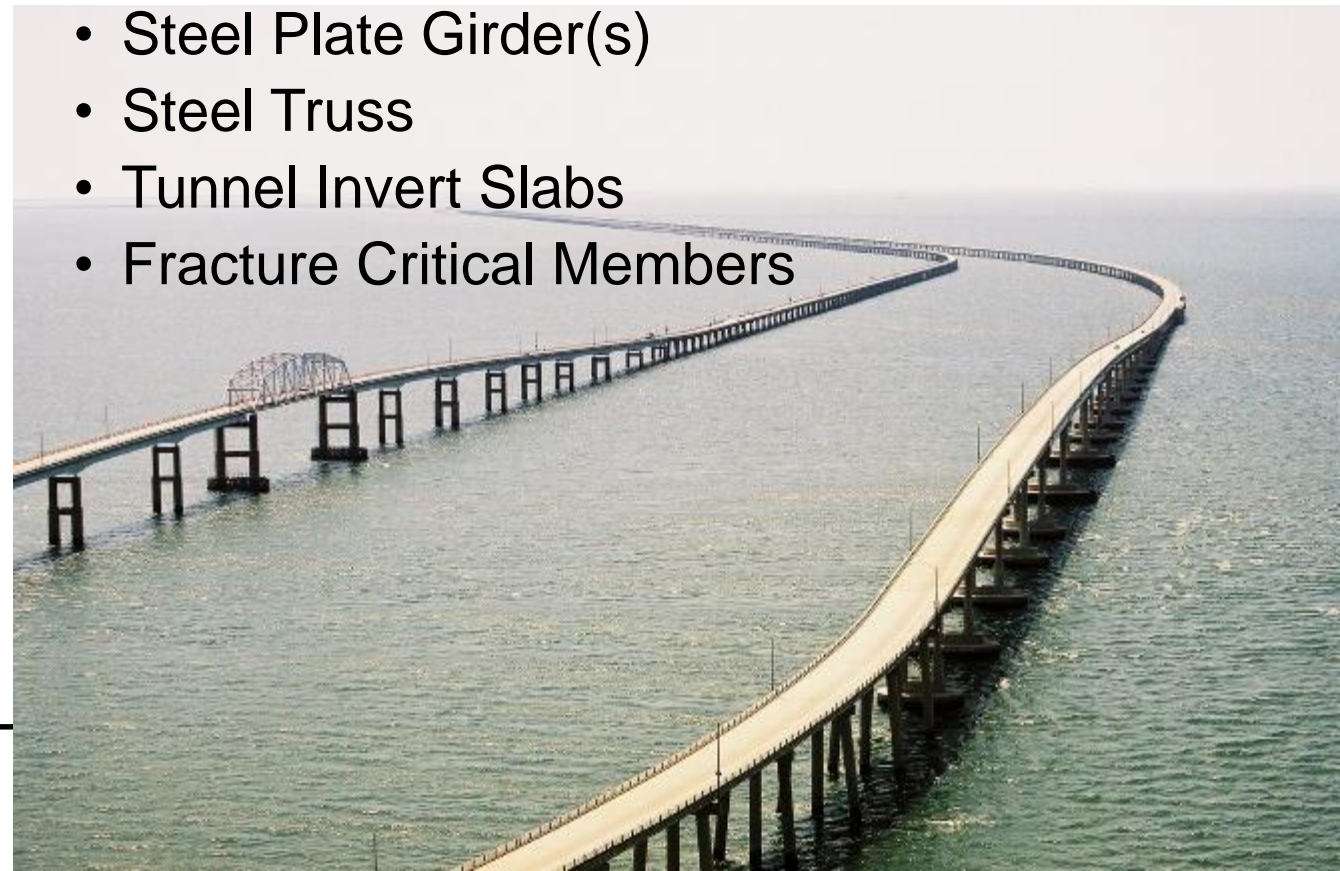
Virginia Beach



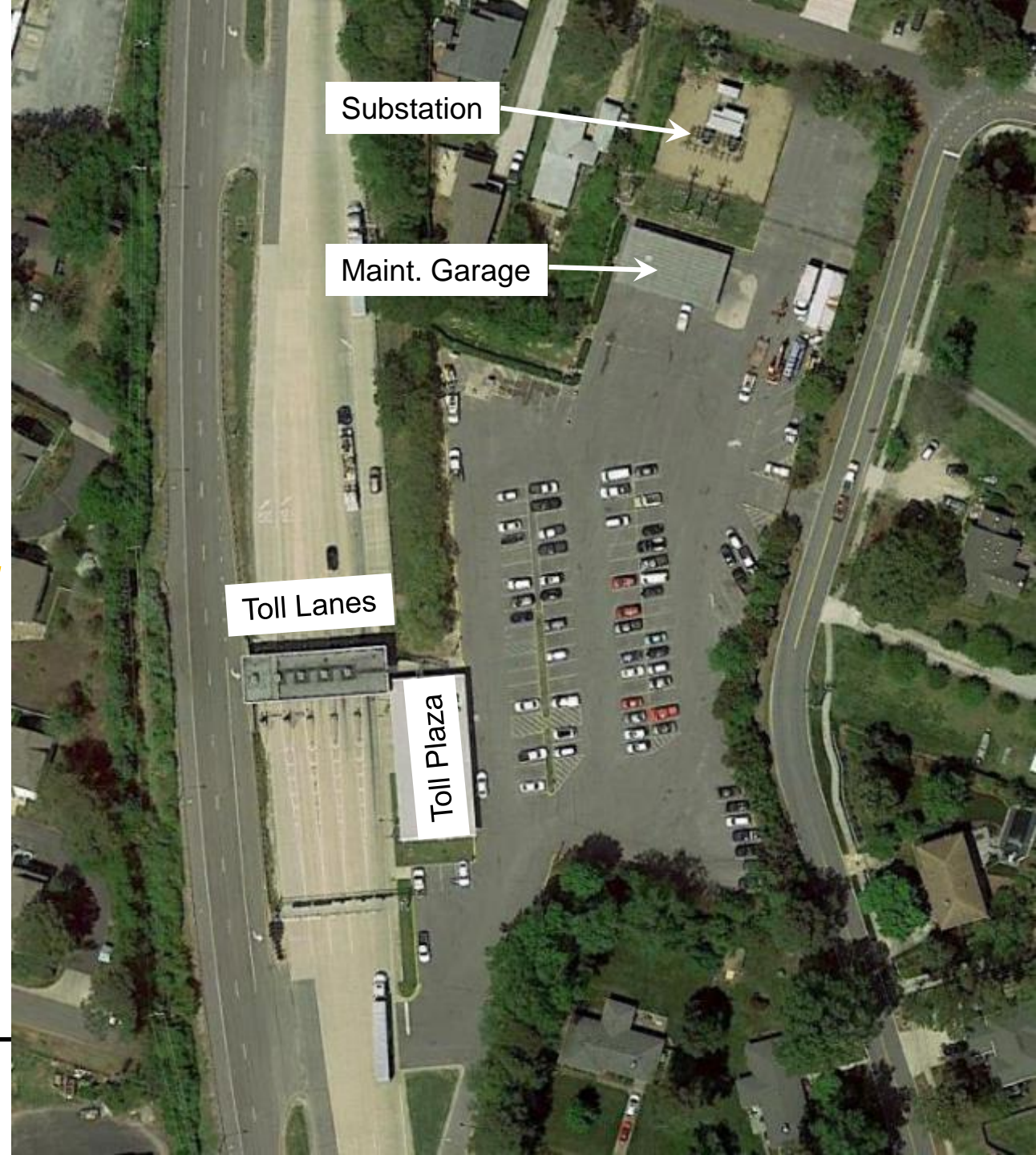


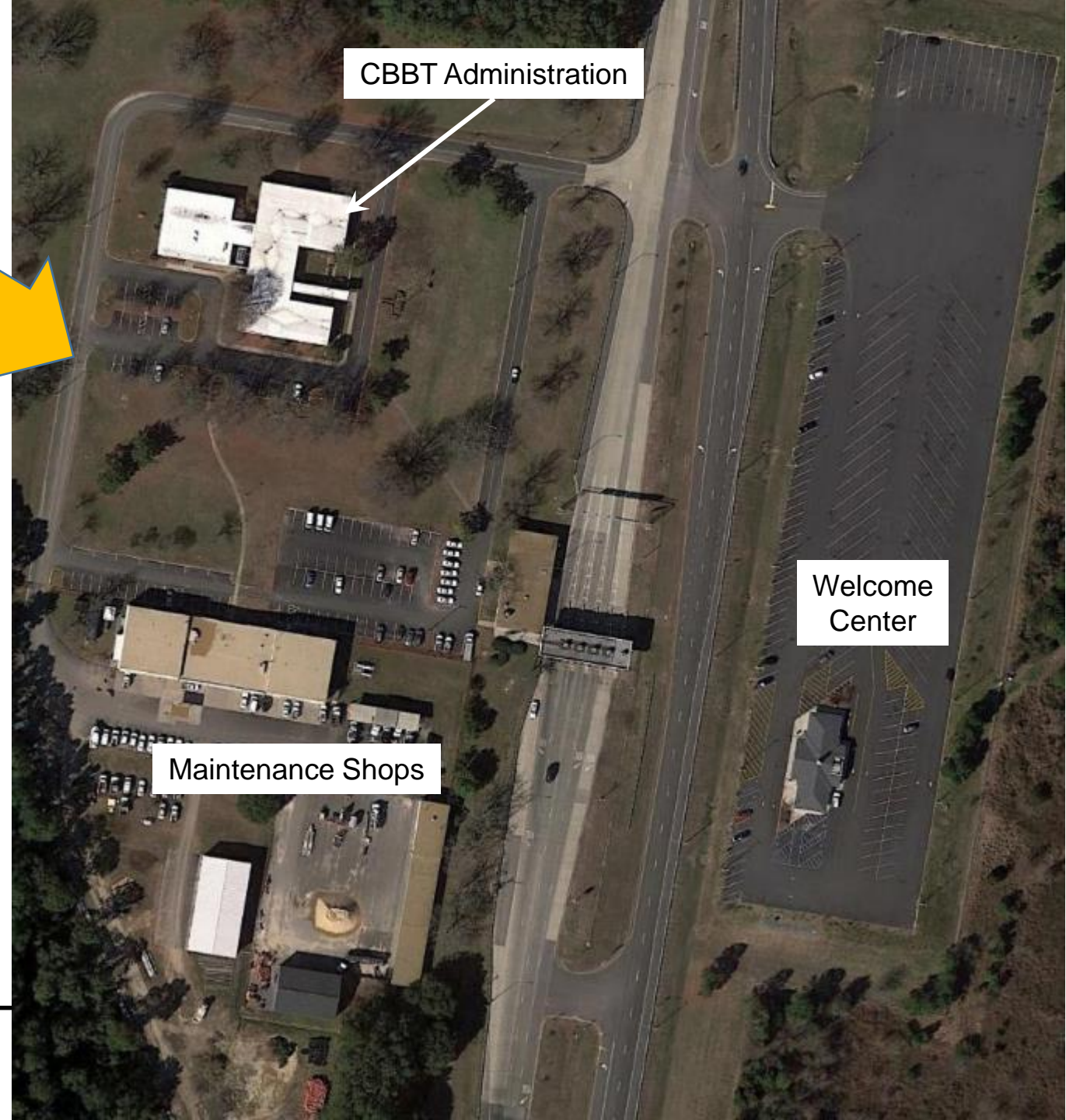
- 22 Different types of Bridges

- AASHTO Type III Girders
- AASHTO Type IV Girders
- 3 & 4 span modular units
- Continuous and simple steel spans
- CIP voided slab
- Steel Plate Girder(s)
- Steel Truss
- Tunnel Invert Slabs
- Fracture Critical Members



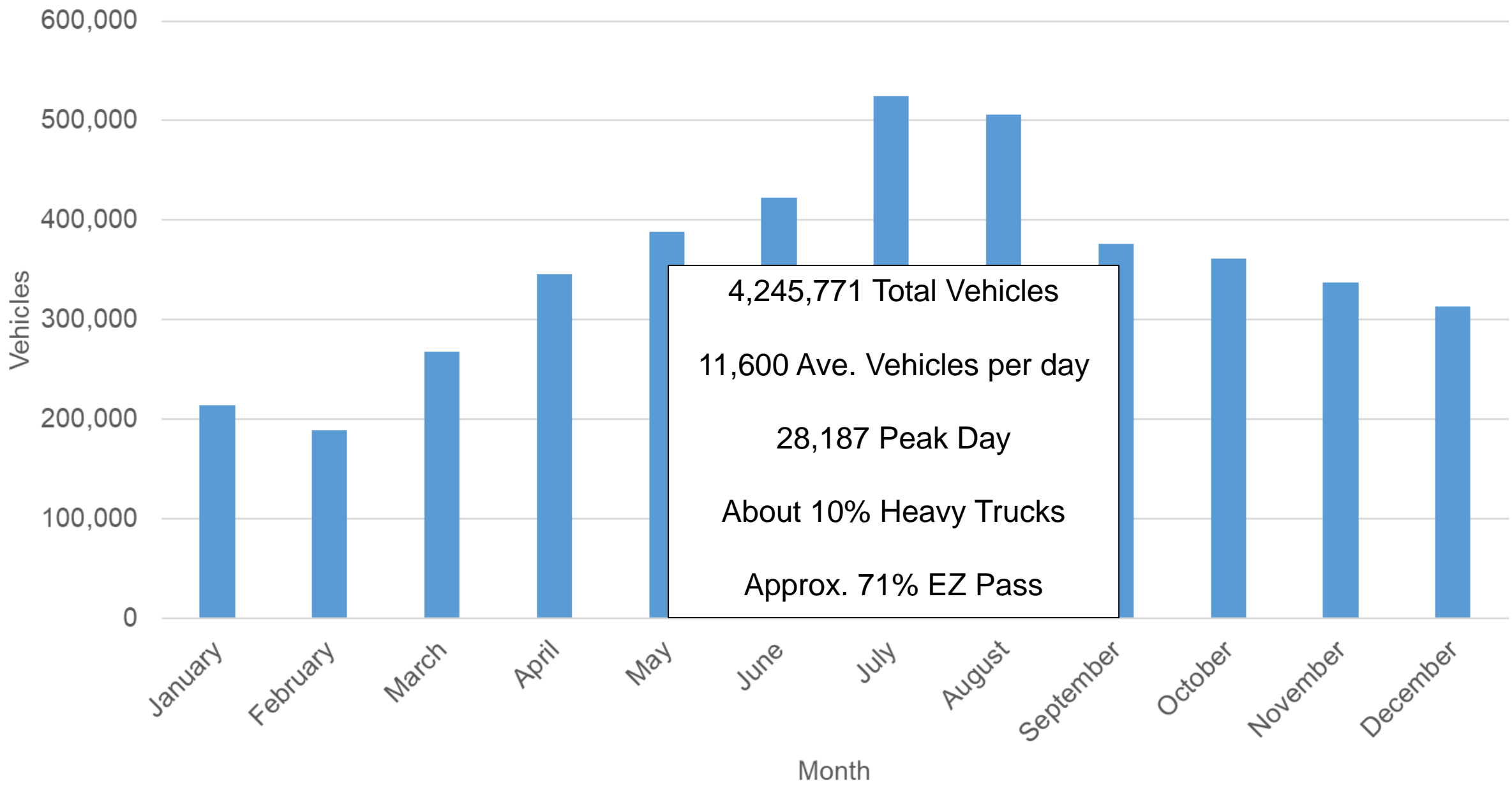








CBBT Traffic - 2021



Buildings

- 16 Buildings, Over 100,000 SF
- Welcome Center – Public Facility
- Wells
 - Drinking Water
 - Fire Protection
- Waste Water Collection/Treatment
 - Septic System (on site treatment)
 - Lift Station(s)
- Pump Stations
 - Low Point
 - Portals
- Toll Plazas
- Police Command Center
- Dozens of Back Up Generators
- Power System
 - Medium Voltage (MV)
 - 34.5 kV
 - 13.6 kV
 - Low Voltage (LV)
 - 120 - 600 V
 - Uninterruptable Power Supply (UPS)
 - HVAC



Fleet



- Pick Up Trucks
- Police Cars
- Pool Cars
- Cargo Vans
- Heavy Equipment
 - Back Hoe
 - Loaders
- Dump Trucks (plows/spreaders/TMAs, etc.)
- Roll Backs
- Tow Trucks
- Fire Truck/Skid Mount
- Bucket Trucks
- Snoopers
- Grass Cutters
- Survey Boat
- Flush Truck
- Scrub Truck



Management Information Systems

- Toll Collection System
- Supervisory Control and Data Acquisition System (SCADA)
 - Signs and Signals (ITS)
 - Power Control
- Closed Circuit Television (CCTV)
- Police Video System
- Police and District Radio Systems
- Internal Phone System
- IT/Network Server
- 4 Control Rooms



District Approach to Maintenance

- Keep it Simple
- Maintain the Infrastructure – make it last
- Ease of construction/maintenance is important
- Eliminate problems – reduce maintenance activities

Scope of Services

- New Contract
- Task Order Basis
- Support for repair and rehabilitation of District facilities
- “arms and legs”
 - Supplement/augment CBBT staff
- “specialized expertise”
 - Engineering
 - Analysis
 - Design
- General Consulting Engineering Services (GCES)
 - Annual Inspection
 - NBIS Inspection(s)
 - NTIS Inspection(s)

Scope of Services

- District Capital Plan (6 yr)
 - Scour Remediation
 - Girder Repairs
 - Vent Building Concrete Repairs
 - Steel Bridge Repairs
 - Pile Jacket Demonstration Project
 - Septic System Replacement
 - Steel Bridge Painting

Submittal Requirements

- Organizational Capability
 - General Information – read/respond to RFQ
- Firms/Team's Experience Providing Similar Types of Services
 - Small to mid-size projects/task orders
 - Wide range of project types
 - Demonstrate ability to meet client's changing needs
 - DO NOT need a large team of consultants
 - Specialized consultants can be added as/when needed

Submittal Requirements

- Personnel's Experience Providing Similar Services
 - Focus on projects for proposed team members – similar in nature
- Project Manager
 - Demonstrated ability to handle multiple tasks with wide range of scope and personnel
 - Meet Schedule and budget
 - Demonstrated ability to understand client objectives
 - Ability to adapt and modify approach to meet client objectives

Submittal Requirements

- Questions must be in writing
- Limitation – 50 pages
 - Do not want marketing material
 - Provide most relevant information to demonstrate experience and capability that meets the RFQ
- **Submittal Deadline**
 - **4:00pm, October 28, 2022**
 - **Overnight deliveries are not guaranteed**

Schedule

Item	Description	Date
1	Issue Request for Qualifications	September 14, 2022
2	Non-Mandatory Pre-proposal Conference	September 29, 2022
3	Submittal of Questions	October 17, 2022
4	Issuance of Answers/Addendum(s)	October 21, 2022
5	Submittal of Qualifications	October 28, 2022
6	Notification to Short-Listed Firms	November 18, 2022
7	Short-List Interviews	December 15, 2022
8	Recommendation to Commission	January 10, 2023

Short List Interviews

- Short list notification will provide direction on format and content
- It will NOT be a repeat of the SOQ
- A test may be involved

Selection

- Negotiations with highest ranked firm after interviews
 - Contract Terms
 - Hourly Rates
- Recommendation will be provided to Commission, January, 2023 meeting

Questions

- After meeting – all questions to be submitted in writing.
- Deadline for questions – October 17th
- Addendum, if any, will be posted to the website October 21st