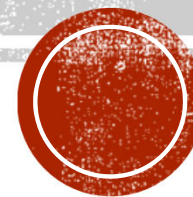


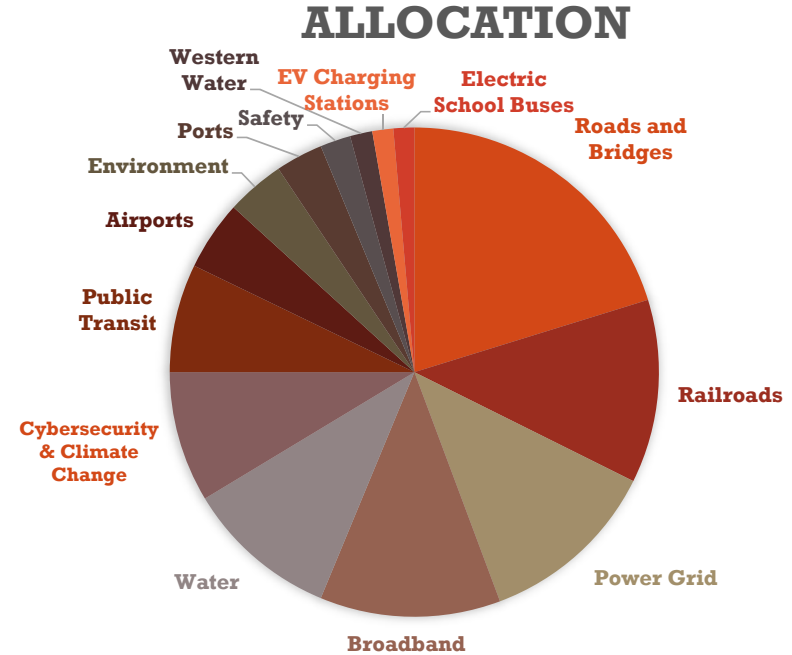
# INFRASTRUCTURE BILL

*It's Finally Infrastructure Week in America*

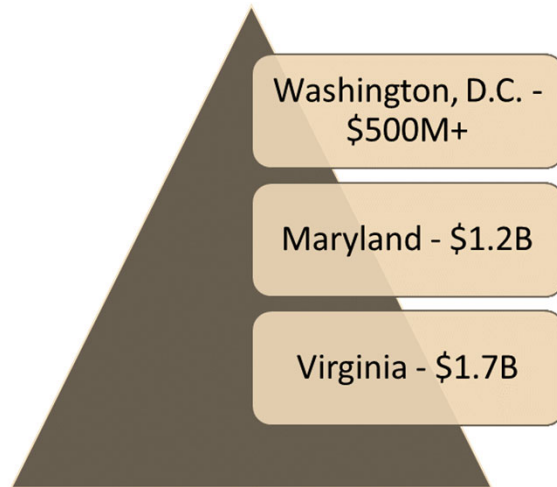


# WHAT'S IN THE \$1.2T INFRASTRUCTURE BILL?

- \$550B in new projects:
  - \$110 billion for roads and bridges
  - \$66 billion for railroads
  - \$65 billion for the power grid
  - \$65 billion for broadband
  - \$55 billion for water infrastructure
  - \$47 billion for cybersecurity and climate change
  - \$39 billion for public transit
  - \$25 billion for airports
  - \$21 billion for the environment
  - \$17 billion for ports
  - \$11 billion for safety
  - \$8 billion for western water infrastructure
  - \$7.5 billion for electric vehicle charging stations
  - \$7.5 billion for electric school buses



# HOW MUCH SPENDING FOR THE DMV AREA?



- How's it going to be spent?
  - Funding of existing IDIQ contracts
  - New contracting opportunities through RFPs
- Who will be issuing RFPs?
  - WMATA, MWAA, WSSC, PEPCO, BGE, Dominion, Washington Gas, DDOT, MDOT, VDOT, SHA & authority having jurisdictions.
- Unknowns
  - Will there be minority business set-asides?
  - What is the timeframe for RFP development, issuance, and responses?



# ROADS AND BRIDGES: \$110B

- <https://ddot.dc.gov/page/capital-infrastructure-projects>
- <https://mdot-sha-project-portal-maryland.hub.arcgis.com/>
  - Howard Street Tunnel expansion, Baltimore, MD
- <https://www.virginiadot.org/projects/>

D.C.	MD	VA
Roosevelt Bridge	Roads \$4B	Highways \$7B
H St Bridge	Bridges \$400M	Bridges \$500M



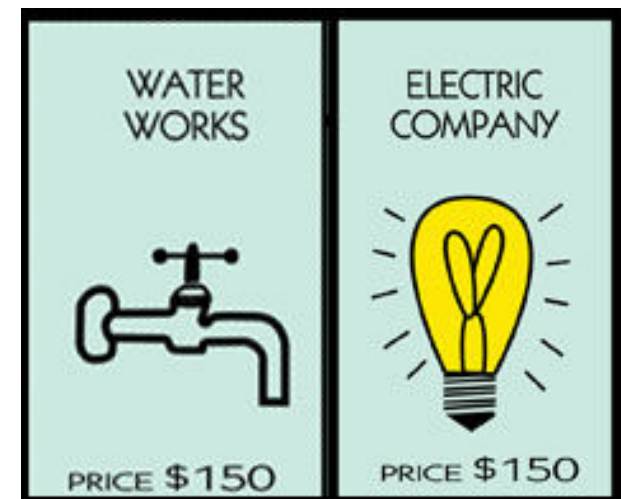
# RAIL SYSTEM: \$66B

- \$30B Fund for Amtrak/ Estimated \$1.5-\$3B at Union Station
  - Stations & platforms
  - Replacement of 40% of train fleet by 2031
  - Boston-DC corridor bridges, tunnels, tracks, signal systems and electric catenary systems
  - 15-year plan from the Northeast Corridor Commission to rebuild and modernize the Northeast Corridor
  - Clearance of maintenance backlog
  - \$4B - Replacement of the 148 years old Baltimore & Potomac Tunnel
  - \$TBD - Union Station (follow up to West End facilities/H St RFP)
  - \$TBD - Baltimore Penn Station (follow up to RFPs for new platforms, canopies, concrete and steel repairs, ADA accessibility, etc.)
  - \$TBD - New Carrollton (follow up to RFPs for additional platforms and islands, expansion of Next Generation High Speed Rail (NGHSR) service)
- WMATA - \$150M annually through 2030
  - Example: PG County transit oriented development Blue Line Corridor (Capitol Heights, Addison Road, Morgan Boulevard, and Largo Town Center)  
[https://www.princegeorgescountymd.gov/DocumentCenter/View/36074/26120\\_SOCA\\_FINAL](https://www.princegeorgescountymd.gov/DocumentCenter/View/36074/26120_SOCA_FINAL)
- Northern Virginia VRE - \$TBD
- Northern Virginia's Lone Bridge Replacement – estimated cost \$1.9B
- Maryland Purple Line - \$TBD



# UTILITIES: \$120B

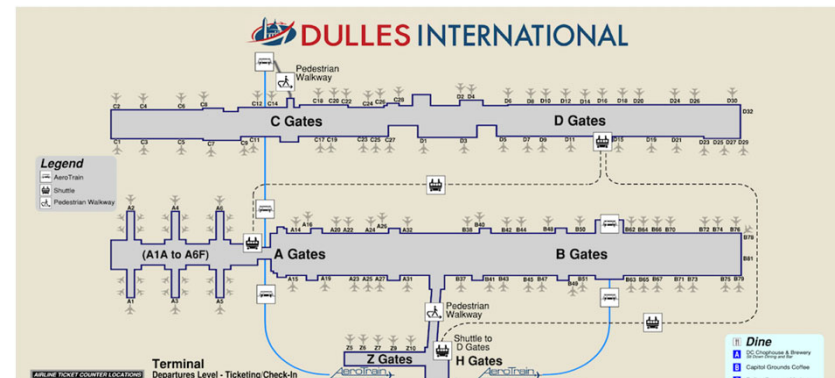
- Electrical Grid - \$65B
  - New powerlines
  - Expansion of renewable energy
- Water Infrastructure - \$55B
  - Replace service lines and pipes
- Additional \$ to make both more resilient (cyberattacks, floods, droughts, etc.)



# AIRPORTS: \$25B

- Major Local Airports: IAD, DCA, BWI
- Goals: ADA compliance; LEED certification; increase capacity; improve terminals and terminal connectivity; upgrade control towers; and increase energy efficiencies, among other benefits.
- The bill includes \$25 billion in federal funding on top of regular Airport Improvement Program funds for airports
- Funding will likely be split into
  - \$15 billion for airport infrastructure grants and \$5 billion for airport terminal programs – to be distributed based on passenger volume and
  - \$5 billion for FAA Facilities and services. – to be distributed through a competitive bid process

## IAD Concourse C/D Under Discussion For Replacement





# ELECTRIC VEHICLE CHARGING STATIONS: \$7.5B



- Direct current fast chargers are estimated to cost \$40,000 to \$100,000. It's anticipated that these will be placed along travel corridors for people going long distances, as well as in areas where people spend lots of time, such as hotels, apartment building parking lots and even along public streets.
- Slower charging stations may be positioned outside of the travel corridors.
- It's estimated that the United States will need 2.4M EV charging stations by 2030.





# WHERE DO WE FIT IN?

- **CECA**, a Maryland based business, and **Contest Engineering**, a DC based business, are available for teaming, providing direct MEP engineering services, and construction support. We have established existing relationships built through 20+ years of prior strong performances on institutional and commercial projects throughout the Washington, DC metropolitan area. We have the know how, the staff, and the reputation to add value to your project, and not just as your MBE partner, but primarily as experts within our field. We currently hold contracts or have provided services within the last 5 years to every key institutional body that will be allocating work under the infrastructure plan.
- Let us know how we can work together. For inquiries: [info@cecallec.com](mailto:info@cecallec.com) or [talmore@cecallec.com](mailto:talmore@cecallec.com)

MEP Design

Project Management

Owner's Representative

Surveys

Plan Reviews

Code Reviews

Construction Progress Monitoring

Quality Control

Commissioning

Draw Inspections

Consulting



# RAIL SYSTEM REFERENCES

- WMATA Roof – Branch Ave – 2019
  - Contractor: Signature Renovations
  - Contact: James McCall
  - Scope: TPIP Services
- WMATA T-13 Metro Supply - 2019
  - Contractor: Patuxent Roofing & Contracting, Inc.
  - Contact: Cindy Straight
  - Scope: TPIP Services
- WMATA T-31 Landover - 2019
  - Contractor: Patuxent Roofing & Contracting, Inc.
  - Contact: Cindy Straight
  - Scope: TPIP Services
- WMATA T-38 Carmen Turner – 2019
  - Contractor: Patuxent Roofing & Contracting, Inc.
  - Contact: Cindy Straight
  - Scope: TPIP Services
- WMATA Maintenance Glenn Dale – 2017
  - Contractor: W.M. Schlosser Co., Inc.
  - Contact: Lisa Garland Farrell
  - Scope: TPIP Services
- WMATA Carmen Turner Facility – 2015
  - Contractor: Dvorak LLC
  - Contact: Courtney Guido
  - Scope: TPIP Services



# UTILITIES REFERENCES

- PSEG Keys Energy Center Warehouse, Brandywine, MD
  - Electrical & Fire inspections
  - Contractor: Kimball Construction Company, Inc.
  - Contact: Michael Elmore
  - Work: Electrical construction for a pre-fabricated metal building including new fixtures, receptacles, security and fire alarm devices, new panels, new transformers, communication systems, and instant Power Generation Plant.
- Kirby Road Solar Farm, Prince George's County, MD
  - Contractor: Alder Energy Systems, LLC
  - Contact: Jarrett Branham
  - CECA: Third Party Fire, Electrical and Structural inspections and material testing.
  - Contest Engineering: Construction Superintendent Services



# AIRPORTS REFERENCES

- **Baltimore/Washington International Thurgood Marshall (BWI) Airport**

- Professional Services: 2011
- Construction: 2014
- Solicit: MAA-AE-14-001 Construction Management and Inspections at BWI Airport
- Quality Control Inspections: Performed QC for structural, mechanical, plumbing and electrical disciplines for a major terminal enhancement at Baltimore/Washington International Thurgood Marshall Airport. The terminal enhancement addressed near-term needs and will accommodate long-term growth at BWI Marshall. The construction included: a post-security connector allowing passenger access between the 14 airline gates on Concourse C with the 26 gates on Concourses A and B. The design includes new moving sidewalks and approximately 8,500 square feet of new food and retail space for BWI Marshall Airport travelers. The renovation of the Concourse improved passenger circulation, airline gate hold-rooms and included new concession space.

- **Baltimore/Washington International Thurgood Marshall (BWI) Airport**

- Professional Services: 2013
- Construction: 2014
- Solicit: MAA-CO-14-014 QC services and CQC plan development for BWI Airport
- Construction Management Support Services: Quality control services and Construction Quality Control plan development for BWI Airport, removal and replacement of passenger boarding bridges at Concourses C, D & E

- **Metropolitan Washington Airport Authority**

- Professional Services: 2018
- Construction: Varies
- Solicit: 1-17-C004
- Commissioning Services: for central utility plant modification to install 1,150 ton chiller, associated chilled water loop pump, a condenser water pump, cooling tower and associated electrical work, piping, and valves required to add a complete functional chilled water system.

- **Maryland Aviation Administration**

- Professional Services: 2020
- Solicit: MAA-AE-19-002 Construction Management and Inspection (CMI) Services at Baltimore/Washington International Thurgood Marshall Airport (BWI Marshall) and Martin State Airport (MTN)
- Mechanical Plan Review and Inspections: Construction Management and Inspection (CMI) Services Construction Management and Inspection (CMI) Services for various minor projects, with an estimated construction cost less than \$5 million. Typical CMI services include, but are not limited to, Construction Management, Quality Assurance inspection, monitoring of project schedule and construction programs, document control, and invoice processing.



# ELECTRIC VEHICLE CHARGING STATION REFERENCES

- Amazon EV Charging Stations at Washington Gateway Facility - 2021
  - Owner: Liberty Property Limited Partnership
  - Contractor: FCL Builders Maryland, LLC
  - Contact: Michael Gardner
  - Scope: TPIP Services
- PEPCO Public Charging Stations at Clinton Park & Ride and Forest Height Community Park - 2021
  - Owner: PEPCO
  - Contractor: Powergrid Electric, LLC
  - Contact: Radouane Sbahi
  - Scope: TPIP Services
- 1100 15<sup>th</sup> Street NW, Washington, DC EV Charging Station – 2021
  - Owner: Carr Properties
  - Contractor: Adcock Systems, LLC
  - Contact: Warren Davis
  - Scope: Electrical Design
- Bowie Town Center EV Charging Stations - 2020
  - Contractor: SAI Group
  - Contact: Matthew Miller
  - Scope: TPIP Services
- Tesla Charging Station at National Harbor - 2019
  - Owner: HN M Garage, LLC
  - Contractor: Power Factor
  - Contact: Ryan Koorey
  - Scope: TPIP Services
- 2050 Ballenger Avenue Charging Stations, Alexandria, VA – 2019
  - Contractor: Adcock Systems, LLC
  - Contact:
  - Scope: Electrical Design
- EV Charging Stations at 2121 Cooperative Way & 2251 Corporate Park Drive, Herndon, VA – 2018
  - Contractor: Commercial Protection Systems, Inc.
  - Contact: Kevin Goodnough
  - Scope: Electrical Design

