

massDOT
**Transportation
Innovation**
CONFERENCE



National Electric Vehicle Infrastructure Program

Christopher Aiello

MassDOT

What is NEVI?

- Comes from the 2021 Bipartisan Infrastructure Law
- Objective: To promote adoption of electric vehicle (“EVs”) by reducing range anxiety as a barrier.
- Means: By ensuring reliable EV fast charging stations no more than 50 miles apart along Alternative Fuel Corridors (“AFCs”).
- Specs: No less than four CCS ports, with a minimum of 150 kW per port, with a minimum 97% uptime.

Importance of NEVI

- Global warming of 1.1°C above pre-industrial levels
- More frequent and more intense extreme weather events
- Increasing danger to people, property, and nature
- Transportation sector as the largest source of greenhouse gas emissions in Massachusetts, at 37 percent
- Light-duty passenger vehicles make up the largest slice of the sector's emissions

Massachusetts NEVI Planning

- Massachusetts expected to receive roughly \$63 MM over 5 years.
- Office of Transportation Planning submitted the Massachusetts NEVI plan in August of 2022, as required.
- The NEVI Plan is the backbone upon which the contracting and implementation structures have been built, with some changes.
- Identified “Gap Zones” for initial investment & importance of equity

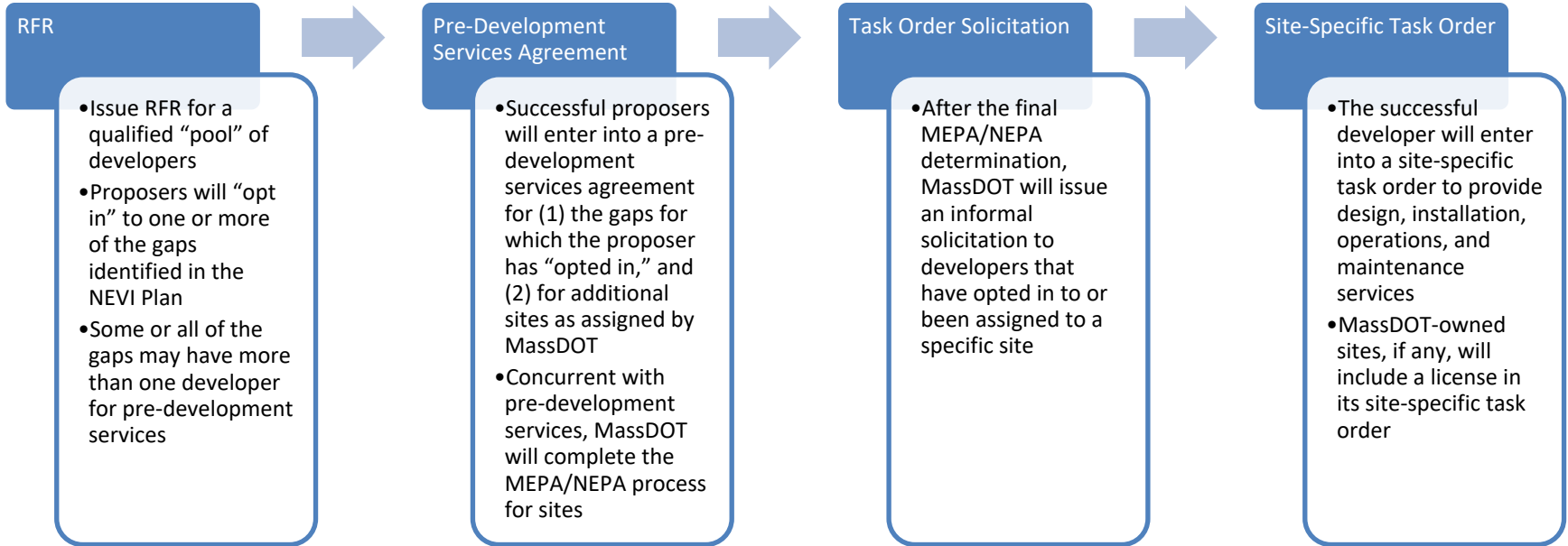
NEVI Contracting Considerations

- Five years of program funding
- Need to ensure equitable access to EVSE across AFCs.
- Need to ensure reliability & compliance with NEVI specs
- Plan's desire for cohesive network and simple oversight
- Changing technology and demand
- Flexibility
- Timing

NEVI Contracting Approach

- RFR designed to create a short list of prequalified Developers signed to Pre-Development Services Agreements (“PDSAs”)
- MassDOT to assign Developers to conduct pre-development services to specific sites or zones as needed.
 - Site identification, electric capacity analysis, preliminary design, MEPA/NEPA, formulating proposal for buildout and operation.
- 25% of total funding requested will be paid out over the 5 year operation period, contingent upon uptime.
- J3400 required

NEVI Implementation Process



Timeline

- RFR Released December 19, 2023
- Initial Responses Received January 11, 2024
- Final Responses Received March 12, 2024
- Interviews – Week of April 1
- Contract Execution: Coming soon
- Pre-development Services expected to begin May, 2024
- MassDOT evaluating how to achieve speed to market for initial sites
 - Critical path items include utility coordination and transformer installations