

Notice to Contractors

New Jersey Department of Transportation

Pre-bid Meeting October 17, 2023, Tuesday at 10:00 am

**NJDOT Electric Vehicle Infrastructure Deployment along New Jersey
Alternative Fuel Corridors**

**Bergen, Burlington, Camden, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth,
Morris, Ocean, Passaic, Salem, Somerset, Union and Warren Counties
Federal Project No. 23-0269
DP No. 23159**

Agenda

- Introduction
- Meeting Objectives and Overview of the Project
- Project Presentation
- Prequalification
- Contractor Questions & Answers
- Networking Opportunity

National Electric Vehicle Infrastructure (NEVI)

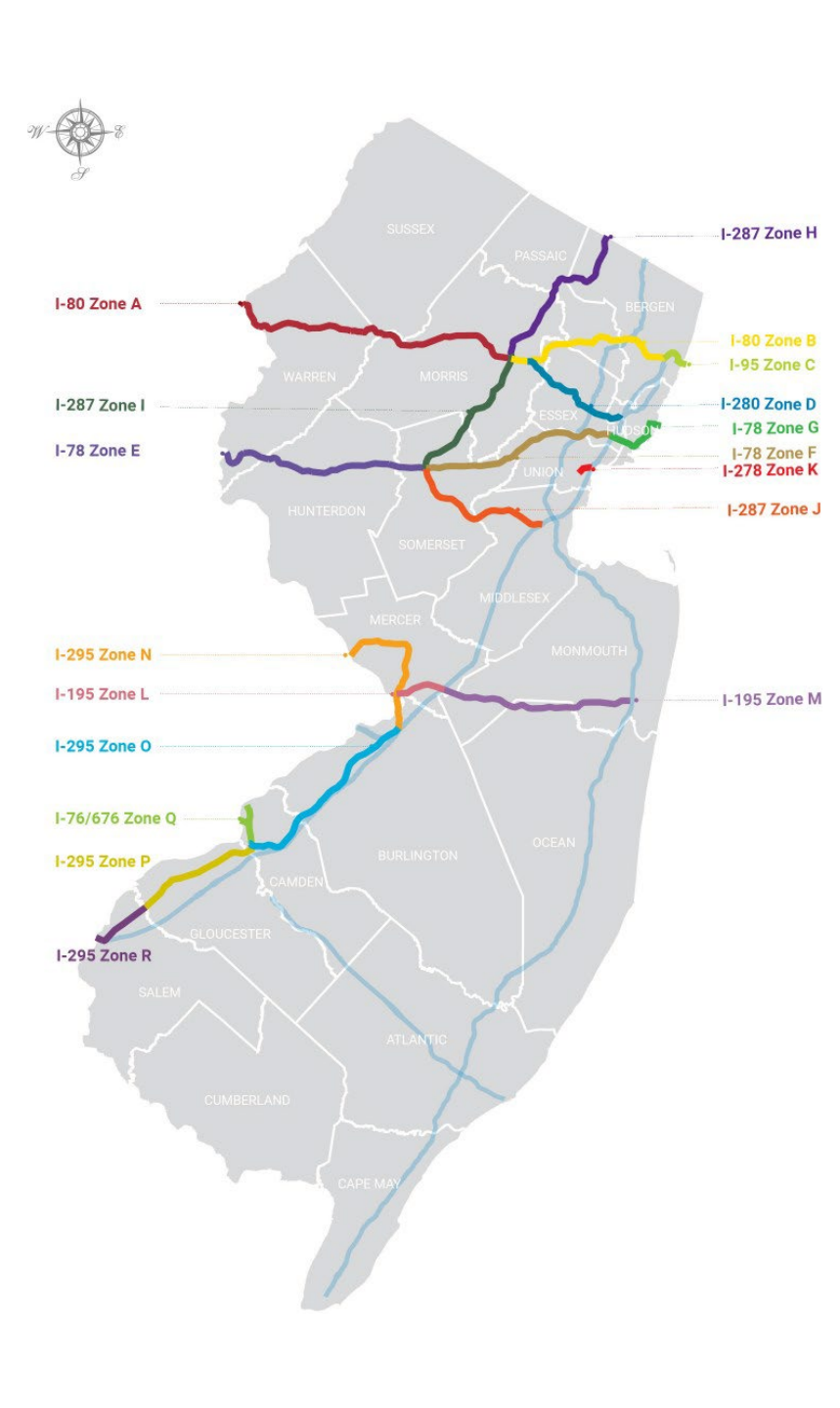


- *The NEVI Formula Program*
 - *Authorized under the Bipartisan Infrastructure Law (BIL)*
 - *Enacted under the Infrastructure Investment and Jobs Act (IIJA)*
- *Goal: "Nationwide network of 500,000 EV chargers by 2030 and ensure convenient, reliable, affordable and equitable charging experience for all users"*
- *Joint Office of Energy & Transportation / FHWA / NJDOT*
- *Program Funding: \$104M for New Jersey over 5 years*

Direct Current Fast Chargers (DCFCs)

- Comply with 23 CFR 680 (NEVI Standards and Requirements) and NJ Requirements
- Within 1 mile of an Alternative Fuel Corridor (AFC)
 - NJ's Interstate Highways
- (4) 150kW ports capable of simultaneous charging
- Each charger: Combined Charging System (CCS) connector and North American Charging Standard connector (NACS)
- Publicly accessible at all times
- DCFCs spaced no more than 50 miles in any direction of travel

NJ Alternative Fuel Corridors & Direct Current Fast Charger Development Zones



At Each of the 18 Charger Development Sites

- Each Site Chosen by the Contractor
- Environmental Compliance
 - Provide the Department the necessary documents for environmental review
 - Contractor secures all other permitting
- Site Host Agreement
 - Provide documentation
- Utility Readiness
 - Work with energy service providers
- Existing Electric Vehicle charging stations (EVSE) may be upgraded

Pause for Feedback



QUESTIONS



COMMENTS

At Each Direct Current Fast Charging Station

- Planning & Design
 - Environmental documents, site host agreement, utility readiness
 - Design engineer works with local jurisdictions
 - Outreach, Justice40, Workforce development, Cybersecurity, Data & reporting
- Construction
 - Electric Vehicle Infrastructure Training Program (EVITP) or apprentice program approved by USDOL
 - Contractor's independent Engineer implements Quality Assurance / Quality Control plan
- 5 years Operations & Maintenance
 - Goal: good customer charging experiences
 - Uptime requirements for each charging port
 - Average annual uptime of greater than 97%
 - Workforce training & emergency response

Other Aspects

- Buy America Waiver for Electric Vehicle Chargers
 - <https://www.federalregister.gov/documents/2023/02/21/2023-03498/waiver-of-buy-america-requirements-for-electric-vehicle-chargers>
- Revenue Opportunity

Partnership in the NEVI Program

- Community Outreach
- Labor and Workforce Development
- Justice 40 Plan
- Physical Security & Cybersecurity
- Data Collection & Program Reporting

Pause for Feedback



QUESTIONS



COMMENTS

Subcontracting

- DBE/ESBEs/SBEs/DVOBs may participate in all aspects of the program
- DBE/ESBE/SBE/DVOB partnerships and opportunities are highly encouraged
- The NEVI Formula Program does not require DBE goals
- Please Stay for Networking!

Eligible Project Costs *23 CFR 680*

- Acquisition and installation of EV charging infrastructure and connection to a network to facilitate data collection, access, and reliability.
- Development phase activities relating to the acquisition or installation of EV charging infrastructure.
- Operating assistance for costs allocable to operating and maintaining EV charging infrastructure acquired or installed under NEVI for up to 5 years.
- Acquisition or installation of traffic control devices located in the NJDOT's right-of-way, and on-premises signs providing information about such infrastructure.
- Mapping and analysis activities.
- Data sharing about EV charging infrastructure.

Pause for Feedback



QUESTIONS



COMMENTS

Prequalification

- Work Types 5, 7 or 44
 - *NJ-licensed Professional Engineer to design each Electric Vehicle Supply Equipment (EVSE) station separate from entity installing the work*
- Notable Specification Requirements
 - *NJ-licensed Professional Engineer to certify the quality through a QAQC plan separate from entity installing the work*
 - *Certifications from the Electric Vehicle Infrastructure Training Program (EVITP) or a registered apprenticeship program for electricians that includes charger-specific training approved by the US Department of Labor*
- Experience in networked EVSE is critical to success

Estimated Schedule & Cost

- *Fall 2023 – Advertisement*
- *Winter 2024 – Project Award*
- *Range - \$35,000,000.00 to \$50,000,000.00*

NJDOT Contact

NJDOT Procurement

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Q&A

NEW JERSEY

DEPARTMENT OF
TRANSPORTATION

UPDATED
ELECTRIC VEHICLE
INFRASTRUCTURE
DEPLOYMENT
PLAN 2024



Thank You !

Please Stay for Networking!



References

- Outreach & Community Engagement
 - NEVI Formula Program Guidance https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf (pages 16-17)
 - JOET <https://driveelectric.gov/files/just-community-engagement.pdf>
 - USDOT Rural Toolkit <https://www.transportation.gov/rural/ev/toolkit>
 - USDOT Urban Toolkit <https://www.transportation.gov/urban-e-mobility-toolkit>
- Labor and Workforce Development
 - NEVI Reference 23 CFR 680.106(j) [https://www.ecfr.gov/current/title-23/part-680#p-680.106\(j\)](https://www.ecfr.gov/current/title-23/part-680#p-680.106(j))
 - NEVI Formula Program Guidance https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf (pages 17-18)
- Equity & Justice40 Initiative
 - NEVI Formula Program Guidance https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf (pages 16-17)
 - USDOT <https://www.transportation.gov/equity-Justice40>
 - JOET Equity & Climate Impact Tools <https://driveelectric.gov/resources>
- Physical Security & Cybersecurity
 - NEVI Reference 23 CFR 680.106(h) [https://www.ecfr.gov/current/title-23/part-680#p-680.106\(h\)](https://www.ecfr.gov/current/title-23/part-680#p-680.106(h))
 - JOET <https://driveelectric.gov/news/joint-office-offers-new-cybersecurity-resource>
 - NJ SISIM <https://www.cyber.nj.gov/NJ-Statewide-Information-Security-Manual.pdf>
- Data Collection, Information on Publicly Available EV Charging Infrastructure & Program Reporting
 - NEVI Reference 23 CFR 680.112 <https://www.ecfr.gov/current/title-23/section-680.112>
 - JOET EV-ChART <https://driveelectric.gov/webinars/ev-chart>
 - NEVI Reference 23 CFR 680.116 <https://www.ecfr.gov/current/title-23/section-680.116>

References (continued)

- NJDOT Electric Vehicle Infrastructure Deployment Plan 2024
 - https://www.nj.gov/transportation/contribute/business/procurement/ConstrServ/documents/NEVIPlanupdates_V17_FINALUPLOADED.pdf
- FHWA National Electric Vehicle Infrastructure (NEVI) Program
 - <https://www.fhwa.dot.gov/environment/nevi/>
- NJ Department of Community Affairs Model Statewide Municipal EV Ordinance
 - <https://www.nj.gov/dca/dlps/home/modelEVordinance.shtml>
- Contact NJ's Energy Service Providers for programs that support EV Charging Infrastructure