# **ATTACHMENT 2: SCOPE OF WORK AND DELIVERABLES**

The scope of work below identifies the tasks, schedule, and deliverables required of the Grantee upon award of Grant funding to repair, replace, or upgrade broken EV charging ports at selected site(s). ODOT reserves the right to amend the Scope of Work and Deliverables prior to execution of the Grant Agreement.

#### TASK 1: PLANNING, PRELIMINARY ENGINEERING, AND NEPA

Task 1 activities and deliverables shall be completed within 180 days after the Agreement has been signed and executed. All Task 1 deliverables shall be provided to ODOT and approved before beginning work on Task 2.

ODOT will review the documentation to confirm that the activities and deliverables are completed and align with the requirements of the Agreement. If required, and at ODOT's request, the Grantee shall remedy or amend the deliverables. After confirmation of the successful completion of Task 1, ODOT will issue a Notice to Proceed to Task 2.

Reporting tasks "Quarterly Progress Reports," "Wage Rate Reports," and "Davis-Bacon Compliance Reports" are ongoing across all tasks. Grantee must be current on Task 1 reporting to be issued Notice to Proceed to Task 2.

	Task Name	Task Description	Deliverable
1.1	Kick Off Meeting	Grantee shall attend an initial Project kick-off meeting hosted by ODOT after execution of the Agreement and before starting preliminary engineering and the NEPA approval process. Grantee shall provide a signed letter certifying attendance at kick-off meeting.	Signed letter certifying Compliance
1.2	NEPA	Grantee shall supply ODOT all Project site information necessary to complete appropriate agency resource coordination, NEPA document preparation and commitments, and achieve NEPA approval. In addition, Grantee must attend an initial NEPA meeting hosted by ODOT after execution of the Agreement and before the NEPA process starts. Furthermore, Grantee must receive NEPA approval for each project proposed.	ODOT and FHWA Approved NEPA Document All documents to complete the NEPA process NEPA Approval
1.3	Project Schedule	Grantee shall provide a comprehensive Project Schedule that addresses each Task Number outlined in this document and includes all phases of the Project including, but not limited to, key milestones and required reviews. The Project Schedule shall include the timeframes and dates to meet all Task	Project Schedule

_	Task Name	Task Description	Deliverable
1.3	Project Schedule cont.	Numbers and requirements of the Agreement, including reporting deadlines. After review and approval by ODOT, the Project Schedule will establish due dates for all other tasks. The Project Schedule can only be modified with approval from ODOT.	
1.4	Operations and Maintenance Plan	Grantee shall develop and provide an Operations and Maintenance Plan as required in Attachment 1, Technical Specifications and Requirements for Operation.	Operations and Maintenance Plan
1.5	Equipment Manuals	Grantee shall provide the following: charging equipment operating manuals (including troubleshooting information, fault codes, fire safety and emergency response procedures, preventative maintenance schedules and frequency, and list of essential spare parts to have on-site) and installation manuals.	Equipment Operating Manuals Installation Manuals
1.6	Test Plan	<ul> <li>Grantee shall develop and provide a Test Plan that details the test procedures and equipment that will be used to perform the testing required in Task 3. The Test Plan shall include the actions that will be taken to test the EVSE prior to full operations to confirm adherence to the Agreement. The Test Plan shall include the template the Grantee will use to report test results to ODOT. At a minimum, this shall include the test date, the name of the person performing the test, the serial number of any equipment used during the test, and the results of the test. The Test Plan shall include, but is not limited to, the following items: <ul> <li>Verify that application programming interface (API) works.</li> <li>Verify charge sessions can be canceled by the EV user via the charger screen interface.</li> <li>Verify that all payment functions are operational (app, RFID, credit, debit, etc.).</li> <li>Verify remote charger monitor functions work (via OCPP and OCPI).</li> <li>Verify each charger can charge the same vehicle twice consecutively.</li> </ul> </li> </ul>	Test Plan Test Report Template

	Task Name	Task Description	Deliverable
1.6	Test Plan cont.	<ul> <li>Verify that all ports can output 150 kW simultaneously for a minimum of 15 minutes without tripping any breakers or switchgear.</li> <li>Verify each charger remains operational and charging when the communication network is disabled during a charging session.</li> <li>Verify each charger can successfully begin and complete a new charging session while the communications network is disabled.</li> <li>Verify each charger remains operational and charging when the communication network is enabled/restored during a charging session.</li> <li>Provide documentation proving the charging stations work per the requirements of the Agreement.</li> <li>Verify that call center for customer service is operational 24/7.</li> <li>Verify that the site has cell service as required and Wi-Fi if included.</li> </ul>	
1.7	Updated Site Plan	Grantee shall develop and provide an updated Site Plan that reflects the Grantee's response to the Notice of Funding Opportunity and is consistent with the final Site Host Agreement.	Updated Site Plan
1.8	Cybersecurity and Data Management Plan	<ul> <li>Grantee shall develop a Cybersecurity and Data Management</li> <li>Plan per Attachment 1 Technical Specifications and</li> <li>Requirements for Operation, and the Agreement. Grantee</li> <li>shall provide an index that identifies the sections of the</li> <li>Cybersecurity and Data Management Plan that address the</li> <li>specific requirements of the Agreement. The index shall</li> <li>identify the requirement, the section of the plan that addresses</li> <li>the requirement, and the corresponding section of the NIST</li> <li>CSF used. The Cybersecurity Requirements Index shall</li> <li>include, but is not limited to, the following items: <ul> <li>EV Charging Construction Phase Cybersecurity Best</li> <li>Practices</li> <li>EV Charging Operations and Maintenance Phase</li> <li>Cybersecurity Best Practices</li> <li>Safeguarding Against Cyberattacks</li> <li>Data Privacy During Transportation and Storage</li> <li>Data Protection from Unauthorized Access,</li> <li>Modification, and Destruction</li> </ul> </li> </ul>	At ODOT's request, Cybersecurity and Data Management Plan At ODOT's request, Cybersecurity Requirements Index

	Task Name	Task Description	Deliverable
1.8	Cybersecurity and Data Management Plan Cont.	<ul> <li>Threat Surfaces and NIST 800-53 Controls</li> <li>Roles for Governance and Oversight of EV Charging Deployment Program</li> <li>At ODOT's request, Grantee shall provide copies of its</li> <li>Cybersecurity and Data Management Plan and Cybersecurity</li> <li>Requirements Index.</li> </ul>	
1.9	Contracting Requirements	Grantee's procurement transactions for the acquisition of property or services must be conducted in a manner providing full and open competition consistent with CFR 200.319 and CFR 200.320 procurement methods. At ODOT's request, grantee must submit documentation outlining its procurement method for each contract, subcontract, and property transaction in compliance with CFR 200.319 and 200.320. At ODOT's request, Grantee shall provide copies of all contracts, subcontracts, and agreements between Awardee and third parties, and they must contain all applicable provisions as outlined in the Agreement.	At ODOT's request, documentation outlining procurement processes for property transactions, contracts, and subcontracts. At ODOT's request, copies of contracts, subcontracts, and agreements with third parties
1.10	Quarterly Progress Reports	Grantee shall submit quarterly progress reports that provide a summary of the grant activities and progress on the goals and outcomes of the Project. This will include progress reports on topics including, but not limited to, Project Schedule, Project operations, Project budget, personnel, and contractual services. Grantee shall submit reports in a format, method, and timeline to be specified by ODOT following the execution of the Agreement.	Quarterly Progress Report
1.11	Wage Rate Reports	The Grantee is responsible to ensure that its workers and those of all subcontractors are compensated according to the U.S. DOL federal general decision(s) and the OR state prevailing wage determination(s) incorporated into and found elsewhere in this contract, whichever is greater. All Grantees shall pay each worker the required minimum total hourly wage rate for all hours worked on the Project and for the appropriate classification of labor. The Grantee shall submit weekly reports in a format and method to be specified by ODOT following the execution of the Agreement.	Weekly Wage Rate Grant Progress Report

	Task Name	Task Description	Deliverable
1.12	Davis-Bacon Compliance Reports	An independent contractor performing work as a laborer or mechanic is subject to the contract prevailing wage requirements for the classification of work performed. To ensure compliance, the department may examine the subcontract agreement to determine if the bid price submitted covers the applicable prevailing wage rate for the number of hours worked, along with other records deemed appropriate by the department. Grantee shall submit weekly reports in a format and method to be specified by ODOT following the execution of the Agreement.	Weekly Davis- Bacon Compliance Grant Progress Report

## TASK 2: FINAL DESIGN AND PERMITTING

Task 2 activities and deliverables shall be completed by the dates detailed in the Project Schedule. All Task 2 deliverables shall be provided to ODOT and approved before beginning work on Task 3.

ODOT will review the documentation to confirm that the activities and deliverables are completed and align with the requirements of the Agreement. If required, and at ODOT's request, the Grantee shall remedy or amend the deliverables. After confirmation of the successful completion of Task 2, ODOT will issue a Notice to Proceed to Task 3.

Reporting tasks "Quarterly Progress Reports," "Wage Rate Reports," and "Davis-Bacon Compliance Reports" are ongoing across all tasks. Grantee must be current on Task 2 reporting to be issued Notice to Proceed to Task 3.

	Task Name	Task Description	Deliverable
2.1	Final Site Plan and Construction Drawings	Grantee shall complete final design of the Project site after NEPA approval has been obtained and shall provide the Final Site Plan and construction drawings	Final Site Plan and Construction Drawings
2.2	Utility Coordination	Grantee shall work with the local utility to finalize any required utility work to provide electrical service to the Project. Grantee shall provide the final plans for utility work and a signed agreement with the utility to provide the required utility work, which may be subject to federal requirements including, but not limited to, NEPA and the Build America, Buy America Act. The final plans for utility work shall include the make-ready work required to provide electrical service to the Project. Additionally, the Grantee shall apply and provide documentation of application for any rebates and incentives that the Charging Station is eligible for to lower total project costs, even if said rebate and incentive is not allowable for the Grantees match share as outlined in the Notification of Funding	Final Utility Work Plans Signed Agreement with Utility Utility Rebate/ Incentive Application Confirmation
2.3	Permitting	Grantee shall obtain the required federal, state, and local permits in alignment with the dates specified in the Project Schedule. Grantee shall include floodplain permitting, if required. Grantee shall provide copies of all approved permits.	Copies of All Approved Permits

	Task Name	Task Description	Deliverable
2.4	Quarterly Progress Reports	Grantee shall submit quarterly progress reports that provide a summary of the grant activities and progress on the goals and outcomes of the Project. This will include progress reports on topics including, but not limited to, Project Schedule, Project operations, Project budget, personnel, and contractual services. Grantee shall submit reports in a format, method, and timeline to be specified by ODOT following the execution of the Agreement.	Quarterly Progress Reports
2.5	Wage Rate Reports	The Grantee is responsible to ensure that its workers and those of all subcontractors are compensated according to the U.S. DOL federal general decision(s) and the OR state prevailing wage determination(s) incorporated into and found elsewhere in this contract, whichever is greater. All Grantees shall pay each worker the required minimum total hourly wage rate for all hours worked on the Project and for the appropriate classification of labor. The Grantee shall submit weekly reports in a format and method to be specified by ODOT following the execution of the Agreement.	Weekly Wage Rate Grant Progress Report
2.6	Davis-Bacon Compliance Reports	An independent contractor performing work as a laborer or mechanic is subject to the contract prevailing wage requirements for the classification of work performed. To ensure compliance, the department may examine the subcontract agreement to determine if the bid price submitted covers the applicable prevailing wage rate for the number of hours worked, along with other records deemed appropriate by the department. Grantee shall submit weekly reports in a format and method to be specified by ODOT following the execution of the Agreement.	Weekly Davis- Bacon Compliance Grant Progress Report

## TASK 3: CONSTRUCTION

Task 3 activities and deliverables shall be completed by the dates detailed in the Project Schedule. All Task 3 deliverables shall be provided to ODOT and approved before beginning work on Task 4.

ODOT will review the documentation to confirm that the activities and deliverables are completed and align with the requirements of the Agreement. If required, and at ODOT's request, the Grantee shall remedy or amend the deliverables. After confirmation of the successful completion of Task 3, ODOT will issue a Notice to Proceed to Task 4.

Reporting tasks "Quarterly Progress Reports," "Wage Rate Reports," and "Davis-Bacon Compliance Reports" are ongoing across all tasks. Grantee must be current on Task 3 reporting to be issued Notice to Proceed to Task 4.

	Task Name	Task Description	Deliverable(s)
3.1	Project Site Upgrades	Grantee shall finish all necessary Project site repairs, replacements, and upgrades to comply with all requirements of the Agreement. Upon completion of the Project site, the Grantee shall notify ODOT and schedule a site inspection, as detailed in Task 3.4, Site Inspection. Grantee shall provide ODOT with as- built plans prior to site inspection, as well as a signed letter certifying that the Project site, including equipment and utility work, is in full compliance with the Agreement.	Project site has been completed, including but not limited to proof of inspections required by permits.
3.2	Installation of EVSE	Grantee shall obtain and repair, replace, and install the EVSE, as specified in the Grantee's Final Site Plan and	Proof of delivery of EV chargers

	Task Name	Task Description	Deliverable(s)
3.2	Installation of EVSE cont.	construction drawings. The EVSE shall meet the requirements of this Agreement, and if funding is requested for such, shall be accompanied a Service Level Agreement and/or maintenance contract. Grantee shall notify ODOT upon final installation of the EVSE.	Proof (if funding is requested for such) of a Service Level Agreement and/or maintenance contract Notification of start of installation Notification of completion of installation Documentation that all Project equipment meets terms of the Agreement and required certifications, including Build America, Buy America documentation
3.3	EVSE Testing	Grantee shall conduct all testing included in the Test Plan, per Task 1.6. Grantee shall notify ODOT of the testing date 5 business days ahead of planned testing so that ODOT can attend, if desired.	Notification of testing date Documentation proving the operability of the EV charging station Completed test template submitted in Task 1.6 confirming all tests have been passed
3.4	Site Inspection	Grantee and ODOT shall schedule and conduct a site inspection. During the inspection, the Grantee shall confirm each individual item from Attachment 1, Technical Specifications and Requirements for Operation, has been met as well as any additional items detailed in the Grantee's proposal, Final Site Plan, and any items specifically detailed by the EV Charging manufacturer in the installation instructions. Grantee shall document the site inspection in a form detailing the results of the inspection and shall submit a completed site inspection form with a signature confirming accuracy to ODOT.	Signed and completed site inspection form

	Task Name	Task Description	Deliverable(s)
3.5	DCFC Chargers	Grantee shall ensure any DCFC chargers are certified to the appropriate Underwriters Laboratories (UL) standards for EV charging system equipment.	Certification of DCFC chargers
3.6	CCS Connectors	For each DCFC charging port, Grantee shall install a charging port capable of charging any CCS-compliant vehicle. Additionally, Grantee shall install at least one permanently attached CCS Type 1 connector for each DCFC charging port. Grantee shall certify to ODOT that the CCS equipment meets the requirements of this Agreement and shall submit documentation demonstrating that all CCS connectors and charging equipment are certified by an Occupational Safety and Health Administration Nationally Recognized Testing Laboratory.	Certification of CCS connector installation, if applicable Signed and completed inspection form
3.7	NACS Connectors	If Grantee installs NACS (J3400) connectors, Grantee shall certify to ODOT that the NACS equipment meets the requirements of this Agreement and shall submit documentation demonstrating that all NACS connectors and charging equipment are certified by an Occupational Safety and Health Administration Nationally Recognized Testing Laboratory.	Certification of NACS connector installation, if applicable Signed and completed inspection form
3.8	CHAdeMO Connectors	If Grantee installs CHAdeMO connectors, Grantee shall certify to ODOT that the CHAdeMO equipment meets the requirements of this Agreement and shall submit documentation demonstrating that all CHAdeMO connectors are certified by an Occupational Safety and Health	Certification of CHAdeMO connector installation, if applicable Signed and completed inspection form

	Task Name	Task Description	Deliverable(s)
		Administration Nationally Recognized Testing Laboratory.	
3.9	Level 2 Chargers	Grantee shall ensure any Level 2 chargers must be ENGERY STAR certified and certified to the appropriate Underwriters Laboratories (UL) standards for EV charging system equipment.	Certification of Level 2 chargers
3.10	J1772 connectors	For each Level 2 charging port, Grantee shall install a permanently attached J1772 connector able to charge J1772- compliant vehicle. Grantee shall certify to ODOT that the J1772 equipment meets the requirements of this Agreement and shall submit documentation demonstrating that all J1772 connectors and charging equipment are certified by an Occupational Safety and Health Administration Nationally Recognized Testing Laboratory.	Certification of J1772 connector installation, if applicable Signed and completed inspection form
3.11	Regularly Scheduled Risk Assessments	At ODOT's request, the grantee shall provide the schedule for risk assessments and the subsequent reports per Attachment 1, Technical Specifications and Requirements for Operation.	At ODOT's request, risk assessment schedule At ODOT's request, risk assessment reports
3.12	Qualified Workforce Training and Technician Documentation	Grantee shall provide proof that the workforce installing, maintaining, and operating chargers has appropriate licenses, certifications, and training to ensure that the installation and maintenance of chargers is performed safely by a qualified and increasingly diverse workforce of licensed technicians and other laborers per the requirements of 23 CFR 680. Grantee shall submit reports in a format, method, and timeline to be	Qualified workforce training and technician documentation

	Task Name	Task Description	Deliverable(s)
		specified by ODOT each year following the signing of the Agreement through the duration of all tasks.	
3.13	Quarterly Progress Reports	Grantee shall submit quarterly progress reports that provide a summary of the grant activities and progress on the goals and outcomes of the Project. This will include progress reports on topics including, but not limited to, Project Schedule, Project operations, Project budget, personnel, and contractual services. Grantee shall submit reports in a format, method, and timeline to be specified by ODOT following the execution of the Agreement.	Quarterly Progress Reports
3.14	Wage Rate Reports	The Grantee is responsible to ensure that its workers and those of all subcontractors are compensated according to the U.S. DOL federal general decision(s) and the OR state prevailing wage determination(s) incorporated into and found elsewhere in this contract, whichever is greater. All Grantees shall pay each worker the required minimum total hourly wage rate for all hours worked on the Project and for the appropriate classification of labor. The Grantee shall submit weekly reports in a format and method to be specified by ODOT following the execution of the Agreement.	Weekly Wage Rate Grant Progress Report

	Task Name	Task Description	Deliverable(s)
3.15	Davis-Bacon Compliance Reports	An independent contractor performing work as a laborer or mechanic is subject to the contract prevailing wage requirements for the classification of work performed. To ensure compliance, the department may examine the subcontract agreement to determine if the bid price submitted covers the applicable prevailing wage rate for the number of hours worked,	Weekly Davis- Bacon Compliance Grant Progress Report
3.16	Reimbursement Request	Upon completion of all Task 3: Construction activities, the Grantee shall submit one reimbursement request to ODOT for all eligible reimbursements per the Agreement and in the format determined by ODOT. Grantee shall provide all requested supporting documentation including, but not limited to invoices and proof of payment for reimbursement of costs already paid; actual costs incurred; Build America, Buy America certifications; proof of compliance with Davis- Bacon Act; completed wage rate reports; and copies of Certified Transcript of Labor Payroll. Grantee shall submit the reimbursement invoices in a format, method, and timeline to be specified by ODOT.	Reimbursement invoice form Proof of payments for actual costs incurred Build America, Buy America Certifications Proof of Davis- Bacon Act Compliance Completed wage reports Copies of certified transcript of labor payroll Any additional documentation requested by and deemed necessary by ODOT

## TASK 4: OPERATIONS AND MAINTENANCE

All operations and maintenance work (O&M), corresponding activities, use of Service Level Agreement(s) and/or maintenance contract(s) as applicable, and deliverables must be completed and provided to ODOT by the end of each year of O&M, per the Project Schedule.

ODOT will review the documentation to confirm that the activities and deliverables are completed and align with the requirements of the Agreement. If required, and at ODOT's request, the Grantee shall remedy or amend the deliverables.

	Task Name	Task Description	Deliverable
4.1	One-Time Data Reports	Grantee shall provide the one-time data submittal required per 23 CFR 680.112. Grantee shall submit reports in a format, method, and timeline to be specified by ODOT following the Notice to Proceed to Task 4, O&M. Reports will be submitted directly to EV-ChART by the Grantee.	One-time data report
4.2	Annual Data	Grantee shall submit the annual reports per 23 CFR 680.112. Grantee shall submit reports in a format, method, and timeline to be specified by ODOT following the Notice to Proceed to Task 4, O&M. Reports will be submitted directly to EV-ChART by the Grantee.	Annual Data Reports
		Grantee shall submit the quarterly data reports per 23 CFR 680.112. In addition to the duration required by 23 CFR 680.112 (a)8, the Grantee shall provide the date-time stamp of any service outage, the reason for the outage, and whether the outage is excluded.	Quarterly Data Reports
4.3	Quarterly Data	In addition to the to the peak power delivered required by 23 CFR 680 112 (a)5, the Grantee shall provide the peak power requested by the vehicle for each charging session. Grantee shall submit reports in a format, method, and timeline to be specified by ODOT following the Notice to Proceed to Task 4, O&M. In addition, reports will be submitted directly to EV-ChART by the Grantee.	
4.4	Customer Service Reports	At ODOT's request, grantee shall submit a report of all customer service activities during the O&M phase. The report shall include all issues reported to customer service by the	Upon ODOT's request, customer service reports

Grantee must be current on all Task 4 reporting to be issued Notice to Proceed to Task 5.

	Task Name	Task Description	Deliverable	
	Customer Service Reports cont.	public and Grantee response and/or action taken in response to the reported issue.		
4.4		The Customer Service Report shall include responses to ADA and Limited English Proficient (LEP) persons. The report shall also include customer service outages, duration of outage, and remedy taken by Grantee to resolve outages.		
		Grantee shall submit reports in a format, method, and timeline to be specified by ODOT.		
4.5		Reserved.		
4.6	Uptime Requirements	Grantee shall meet the uptime requirements per 23 CFR 680, and the Agreement. Retainage during O&M will not be reimbursed for failure to meet the 97 percent uptime requirement.	Annual data reports Quarterly data reports	
4.7	Operations and Maintenance	Starting with the Notice to Proceed to Task 4, the Grantee shall operate and maintain the Project for 5 years, in accordance with the terms of the Agreement and their Operations and Maintenance Plan (Task 1).	N/A	
4.8	Cybersecurity Audit and Reporting	and conduct an annual cybersecurity audit or alternative reporting as determined by ODOT		
4.9	Cybersecurity Event Notification	Event including data breaches or incidents affecting an electric		
4.10	Regularly Schedules Risk Assessment	edules Risk ODOT, grantee will submit the resulting risk assessment		
4.11	Application Programming Interface (API)	Grantee shall provide the API per 23 CFR 680.116(c and ensure all data fields listed in 23 CFR 680.116(c) are made available, free of charge, to third-party software developers.	Publicly Accessible API and Data	

	Task Name	Task Description	Deliverable
4.12	Annual Retainage Payout	During the operation and maintenance period, Grantee will submit uptime reporting for the charging stations. ODOT will confirm that the Grantee has met the 97% uptime as required. ODOT will review the data submitted in the EV-ChART portal and any other reports to confirm that Grantee has met the required uptime. If, over a 12-month period, the average uptime is 97% or higher based on the data provided, ODOT will reimburse 20% of the total retainage. The review for retainage payout will take place annually over the 5-year Operations and Maintenance Phase.	Reimbursement invoice form Any additional documentation requested and deemed necessary by ODOT

#### TASK 5: PROJECT CLOSE OUT

Grantee shall submit all final deliverables and invoices no later than 90 days from the completion date.

The Project will be closed out upon completion of the 5<sup>th</sup> year of O&M (after commissioning of the fixed, repaired, or replaced chargers). ODOT will review the documentation to confirm that the activities and deliverables are completed and align with the requirements of the Agreement. If required, and at ODOT's request, the Grantee shall remedy or amend the deliverables.

Grantee shall submit all remaining performance, financial, and other reports to ODOT that are required by the Agreement.