CAROLINA CROSSROADS - CONTRACTOR SUSTAINABILITY ACTION PLAN

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Credit Number and Title	Target LOA	Related Criteria from Envision Guidance Manual	ACTION/DOCUMENTATION NEEDED FROM CONTRACTOR	Contractor Comments/Status Update	Completion Date
QL1.3 Improve Construction Safety*	Conserving A + B + C + D + E	A. The owner and **general contractor/construction manager** have made strong commitments to monitor and improve health and safety for **onsite construction operations**. B. The **project execution plan** requires internal documentation that tracks health and safety performance and corrects deficiencies or promotes best practices **during construction**. C. **Contractor implements safety and /or security** competency training for all field personnel. Contractor or owner provides minimum training requirements for health and safety programs. D. The owner and **contractor** have a **specific site and project security plan**. The plan includes physical security as well as information security when appropriate. The **contractor** provides minimum training requirements. E. The owner or contractor provides **programs that promote health and wellbeing**, such as free health screenings or workshops.	Provide documentation of health and safety performance, safety and security training requirements and plans. **Note that items may be company documents/policies/plans that apply to all projects Provide documentation: • Information included in CMP, as outlined in PIP900-1 • Safety commitments • Safety rewards program o If the contractor does not have a Safety Rewards/ Incentive program, information and examples can be provided. • Subcontractor safety requirements • Documentation showing that senior construction managers are engaged in the project safety program and conduct safety observations and inspections • Project Execution Plan, Safety Plan, or similar document • Health and safety performance tracking • Injury management system • Incident Review process • Examples of incident reporting / "lessons learned" • Safety and security training requirements and programs • Site and Project Security Plan Documentation may include items like: • Site inspection checklist • Jobsite Hazard Assessment forms • Incident reporting form • Safety violation notice(s)		
QL1.6 Minimize Construction Impacts*	Conserving A + B + C + D + E + F	A. The project team implements a **construction management plan** or policies to address the temporary inconveniences associated with construction. The plan or policies are informed by stakeholder engagement. B/C/D/E. The **CMP** addresses all four (4) types of construction impacts: **noise, safety/wayfinding, access/mobility, and lighting**. F. The construction management plan or policies include robust **feedback mechanisms** and **performance monitoring** and **reporting** for construction impacts.	Develop a construction management plan that addresses noise, safety/wayfinding, access/mobility, and lighting during construction; and includes a feedback mechanisms and related performance monitoring and reporting. See PIP900-1: Construction Management Plan Guidance for more information. Provide documentation noting trucking/logistics plan to minimize impact to neighborhood, delivery plan to minimize local traffic impacts, truck wash, noise, and lighting management. Implement, monitor, and report performance of specified alternatives to reduce impacts. Provide supporting evidence, such as photos and performance reports and corrective action programs. Contractor shall comply with Environmental Commitments detailed in Technical Provision 160. Provide Documentation: • Construction Management Plan, including information outlined in PIP900-1 • Examples of feedback mechanisms, monitoring, and reporting, i.e., signage with phone/email, website, phone log, issue resolution *Documentation showing feedback/resolution during construction will be pending in design submission and submitted for post-construction review		

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LD1.1 Provide effective leadership and commitment	Conserving A + B + C + D	A written **commitment by the owner and project team** to address the social, environmental, and economic aspects of the project. Commitments to sustainability are clearly articulated at the project level in a project chartering session and/or contract documents. C. Sustainability commitments, and progress toward their achievement, are **revisited periodically** through meetings or written reports. D. **Key members of the project team** have made clear commitments to sustainability, as evidenced by: • Organizational sustainability policies and/or reports. • Examples of projects, or initiatives, to improve sustainable performance. • Sustainability strategies embedded into their business strategy. • Third-party organizational recognition or commitments.	Together, SCDOT and the Contractor shall incorporate written commitments into the Partnership charter that meet the requirements of LD1.1 Criteria A. Contractor shall include sustainability progress updates at least quarterly during Progress Review Meetings. Updates shall include progress on Contractor's Sustainability Action Plan and other efforts Contractor has taken to address project sustainability. Contractor shall address LD1.1 Criteria C in the minutes from these Progress Review Meetings. **Provide Documentation:** • Examples of organizational sustainability policies, reports, public and project-related sustainable commitments. Note that this is not project specific, but overall organizational information. Documentation of sustainability commitment may include items like: • Organizational sustainability Policies • Sustainability reports • Sustainability strategy • Project descriptions • Relevant awards • Sustainability training • Examples of initiatives to improve sustainable performance • Third-party organizational recognition or commitments		
LD1.2 Foster Collaboration & Teamwork	Conserving A + B + C + D	D. The interdisciplinary collaboration or integrated design process specifically includes stakeholders from later construction, operations, and/or maintenance phases. Important considerations over the project life are understood and incorporated into the project.	Collaborate with owner and project team to implement Envision. Together, SCDOT and the Contractor shall incorporate agenda items into the Partnership workshop(s) that meet the requirements of LD1.2 Criteria A. Contractor shall include sustainability progress updates at least quarterly during Progress Review Meetings. Updates shall include progress on Contractor's Sustainability Action Plan and other efforts Contractor has taken to address project sustainability. **Provide Documentation:** Illustrating commitment to sustainability and Envision as referenced in: • Meeting minutes • Reports • Assessments This can include adding sustainability/Envision as an agenda item for regular meetings.		
LD2.1 Establish a Sustainability Management Plan	Conserving A + B + C + D + E	A. Roles and responsibilities for addressing sustainability are assigned to **key members of the project team**. Their authority on the project to affect change is sufficient and clear. C. The sustainability management plan contains sufficient processes and management controls to address the sustainability goals, objectives, and targets. D. Implementation of the sustainability management plan, and progress toward established goals, is revisited periodically through meetings or written reports.	Collaborate with owner and project team to implement/apply SMP. Contractor shall provide Sustainability Point of Contact and Final Sustainability Action Plan per the requirements and due dates detailed in Technical Provision 160.		
LD3.1 Stimulate Economic Prosperity & Development	Conserving A + B + C + D + E	A. Jobs are created during design, construction, and/or operation. The project team determines the number, type, and duration of jobs created as a result of the project.	'Contractor shall submit weekly payrolls in compliance with the Davis-Bacon and Related Act Provisions. **Provide documentation:** • Information on construction jobs created during project construction, including the types of construction jobs, number of local workers, and work reports to provide evidence of manhours/number of workers employed.		

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LD3.2 Develop Local Skills & Capabilities	Restorative A + B + C + D	A. The project includes **training programs** for local skill development. This may include designers, **contractors, subcontractors**, or operators. B. The project team works with, or is informed by, community and local/state workforce development agencies to assess local employment and educational needs. Training programs target these gaps to improve local capacity. Skills are transferable beyond the end of the project. Skills developed are likely to provide the local workforce, agencies, and/or companies with a competitive advantage in the future. C. Education, skill development programs and/or opportunities will continue after project delivery. This may include community education and awareness training. Programs may be at the organizational level but must be relevant to the project. D. Training and skill development programs **specifically target economically depressed, underemployed, or disadvantaged communities**.	Contractor shall meet the Training requirements per Technical Provision 1000, (27) Section 107. Note that this information must be directly applicable to staff working on the project, and that must be clearly evident through the documentation. If there is any type of training specific to the work that is being done, i.e., new technology that needs special training for this project, provide details. Provide documentation: • Information included in CMP, as outlined in PIP900-1 Documentation may include information such as: • Outreach plans and programs, identifying and hiring local firms and workers at a broad range of skill levels. • Educational aspects or local partnerships, i.e., working with a local community college for on the job training using this project. • Summary of “toolbox trainings” or similar and examples of content.		
RA1.2 Use Recycled Materials*	Superior A (>25%)	A. At least 25% (by weight, volume, or cost) of recycled materials including materials with recycled content and/or reused existing structures or materials.	Contractor shall demonstrate that at least 25% of materials (by weight, volume, or cost) utilized to construct the project are reused or recycled. Contractor may refer to the Recycled Form and the Recycled Summary to report progress. Final format to be discussed at Sustainability Kick-Off and finalized in Final Sustainability Action Plan. Form updates shall be provided quarterly to SCDOT. Provide documentation: • Information included in CMP, as outlined in PIP900-1 • Procurement specifications to document and/or require materials containing recycled content. • Information about reuse on site • Cut sheets of recycled content materials, as available •Materials form spreadsheet, recording the amount of recycled-content or reused materials vs. all materials. *Estimates will be included for design submission; documentation of actual reuse/recycled content quantities during construction will be pending and submitted for post-construction review.		
RA1.4 Reduce construction waste*	Superior A + B	A. Implement a construction waste management plan that, at a minimum, identifies the materials to be diverted from disposal and whether the materials will be sorted on site or commingled. B. The project team sets a target goal for construction waste diversion. During construction at least 75% of waste materials are recycled, reused, and/or salvaged. Diversion may be a combination of waste-reduction measures and sourcing waste to other facilities for recycling or reuse.	Contractor shall demonstrate that at least 75% of construction waste (by weight, volume, or cost) is diverted from landfills and is instead reused or recycled. Contractor shall provide a Waste Management Plan per the requirements and due dates detailed in Technical Provision 900 and supplemented in PIP900-1, which also documents the means of achieving this requirement. Contractor may refer to the Recycled Form and the Recycled Summary to report progress. Final format shall be discussed at Sustainability Kick-Off and finalized in Final Sustainability Action Plan. Form updates shall be provided quarterly to SCDOT. Provide documentation: • Construction waste management plan that identifies materials to be diverted, plans for sorting / managing materials on site, and facilities for recycled materials. • Waste form spreadsheet, recording the amount of waste that is recycled, reused, or salvaged • Load tickets from landfill, recycling center or salvage facility *Estimates will be included for design submission; documentation of actual construction waste diversion quantities will be pending and submitted for post-construction review.		

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RA1.5 Balance Earthwork On Site*	Improved A (>30%)	A. Excavated material moved off site and/or fill brought onto the site does not exceed 70% of total site soil handling. OR 100% of fill and excavated materials are sourced or reused within 25 mi/40 km of the site.	Contractor shall meet the requirements of RA1.5 Level of Achievement "Improved". Contractor shall provide documentation at least quarterly demonstrating amounts of on-site excavation, destination, proximity and amount of any earthwork materials taken off-site. Contractor shall consider the possibility to re-use excavated soil within the project site or within a specified distance of the project site, e.g., cut for fill in other areas of the project. Final format of reporting shall be discussed at Sustainability Kick-Off and finalized in Final Sustainability Action Plan. Form updates shall be provided quarterly to SCDOT. **Implement and provide documentation:** • Cut and fill calculations • Information on locations/ distances for sourcing and/or disposing of fill materials **TBD if this would need to be submitted as pending. If calculations and/or distances are for the design submission, this credit may not need to be pending .*		
RA2.2 Reduce Construction Energy Consumption*	Enhanced A + B	A. The project team conducts one or more planning reviews to identify and analyze options for **reducing energy consumption during construction**. B. The project implements, or has written requirements to implement, **at least two (2)** energy reduction strategies.	Conduct a review to identify / analyze potential options for reducing energy consumption during construction. Reference the Envision Guidance Manual for strategies that meet the credit requirements. • Provide meeting minutes Contractor shall monitor and report energy use and reduction, submitting forms during construction to be used as documentation for the post-construction submittal. Final format of reporting shall be discussed at Sustainability Kick-Off and finalized in Final Sustainability Action Plan. Form updates shall be provided quarterly to SCDOT. **Implement and provide documentation:** • Evidence that at least two (2) energy reduction strategies are used on the construction site and/or construction vehicles. • Calculations showing that the implemented strategies meet related percentage energy reduction goals identified in the Envision Guidance Manual / completed RA2.2 Credit calculator for implemented strategies. • Information on how strategies are monitored, measured, and documented through construction. **Estimates will be included for design submission; energy reduction calculations will be pending and submitted for post-construction review.*		
RA3.3 Reduce Construction Water Consumption*	Improved A + B	A. The project team conducts one or more planning reviews to identify and analyze options for **reducing water consumption during construction**. B. At **least one (1)** potable water conservation strategy is implemented.	Conduct a review to identify / analyze potential options for reducing water consumption during construction. Reference the Envision Guidance Manual for strategies that meet the credit requirements. • Provide meeting minutes Contractor shall monitor and report water use and reduction, submitting forms during construction to be used as documentation for the post-construction submittal. Final format of reporting shall be discussed at Sustainability Kick-Off and finalized in Final Sustainability Action Plan. Form updates shall be provided quarterly to SCDOT. **Implement and provide documentation:** • Evidence that at least one (1) water reduction strategy is used on the construction site. • Calculations showing that the implemented strategies meet related percentage water reduction goals identified in the Envision Guidance Manual • Information on how strategies are monitored, measured, and documented through construction. **Estimates will be included for design submission; energy reduction calculations will be pending and submitted for post-construction review.*		