

Date: 07/16/2018

**SCDOT**  
NEPA ENVIRONMENTAL COMMITMENTS FORM



Project ID : P027662 County : Richland/Lexingt District : District 1 Doc Type: EIS Total # of Commitments: 50

Project Name: Carolina Crossroads

The Environmental Commitment **Contractor Responsible** measures listed below **are to be included in the contract and must be implemented**. It is the responsibility of the Program Manager to make sure the Environmental Commitment **SCDOT Responsible** measures are adhered to. If there are questions regarding the commitments listed please contact:

**CONTACT NAME:** Brian Klauk

**PHONE #:** (803)-737-5051

**ENVIRONMENTAL COMMITMENTS FOR THE PROJECT**

**Non-Standard Commitment**

NEPA Doc Ref: Chapter 2

Responsibility: SCDOT

Transportation

SCDOT will further evaluate park-and-ride including existing facilities in the study area and will develop a plan to identify and recommend preliminary sites for future implementation to service rideshare commuters.

**Non-Standard Commitment**

NEPA Doc Ref: Chapter 2

Responsibility: SCDOT/Contractor

Transportation

During construction, SCDOT will coordinate with the local municipalities and/or trail groups to post information on temporary sidewalk or bicycle facility closures or detours.


**Non-Standard Commitment**

NEPA Doc Ref: Chapter 2

Responsibility: SCDOT

Transportation


Prior to final design, SCDOT will coordinate with the City of Columbia and CMCOG to ensure that existing and planned bicycle and pedestrian facilities identified in the local and regional plans and existing and proposed connections to such facilities are accommodated where located within the limits of the Carolina Crossroads at crossing routes and interchanges where feasible.

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Non-Standard Commitment	NEPA Doc Ref: Chapter 2	Responsibility: SCDOT
Transportation		
SCDOT will assist COMET/CMRTA efforts through such measures as accommodating transit (bus) stops at interchange locations and adding signal priority for buses at congested intersections in the project limits, if warranted and feasible.		

Non-Standard Commitment	NEPA Doc Ref: Chapter 2	Responsibility: SCDOT
Transportation		
Individual service interchange AO concepts within the Recommended Preferred Alternative may be revised or replaced to address design, right-of-way, utility, traffic operations, and other impacts as part of the development of the Final Environmental Impact Statement/Record of Decision (FEIS/ROD). Additionally, as the design process continues into the FEIS/ROD, further refinements to design elements may take place that could result in modifications to roadway alignments and other geometric elements.		


Displacements	NEPA Doc Ref: Section 3.3	Responsibility: SCDOT
SCDOT will acquire all new right-of-way and process any relocations in compliance with the Uniform Relocation Assistance and Real Property Acquisition policies Act of 1970, as amended (42 U.S.C. 4601 et seq.). The purpose of these regulations is to ensure that owners of real property to be acquired for Federal and federally-assisted projects are treated fairly and consistently, to encourage and expedite acquisition by agreements with such owner, to minimize litigation and relieve congestion in the courts, and to promote public confidence in Federal and federally-assisted land acquisition programs.		
Temporary construction easements may be needed for some properties. SCDOT would temporarily use these properties during construction and would provide compensation to the landowner for the temporary use. The property would be fully returned to the owner when the use of the property is no longer required, typically when construction is complete.		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.3	Responsibility: SCDOT
Socioeconomics and Communities		
Written translations of public involvement documents would be provided for Spanish language-speaking populations, as well as other measures determined by SCDOT to ensure meaningful access to project information.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.3	Responsibility: SCDOT
Socioeconomics and Communities		
Changes in access for school bus routes would be discussed with the school systems well in advance of when they would actually take place, so the school systems can adjust routes in a timely manner. Coordination with local school districts would also occur during construction.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.3	Responsibility: CONTRACTOR
Socioeconomics and Communities		
Efforts will continue to be made to ensure meaningful opportunities for public participation during construction. Additional meetings will be held when warranted to address community concerns and propose additional mitigation measures.		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.5	Responsibility: SCDOT
Noise		
<p>A detailed traffic noise analysis will be performed on the recommended preferred alternative. The detailed noise analysis may modify where barriers are located, as well as if barriers are warranted in certain locations. If a barrier is feasible and reasonable in the preliminary analysis and it is determined not to be feasible and reasonable in the detailed analysis, SCDOT will notify the benefited receptors of that barrier that the barrier is no longer warranted per the SCDOT Noise Policy requirements. If a barrier that is determined not to be feasible and reasonable in the preliminary analysis, but is determined to be feasible and reasonable in the detailed analysis per the requirements in the SCDOT noise policy, the benefited receptors of the barrier will be notified by SCDOT.</p>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.5	Responsibility: SCDOT
Noise		
<p>SCDOT commits to conduct noise modeling for the Saluda Riverwalk Extension as part of the detailed noise analysis. Once the detailed noise analysis is completed, the results of the noise analysis for the trail will be available for a 15-day public comment period, as per Section 4(f) requirements. Comments received during the 15-day public comment period on the noise analysis for the 4(f) resource will be addressed in the FEIS/ROD and Section 4(f) documentation.</p>		


Non-Standard Commitment	NEPA Doc Ref: Section 3.5	Responsibility: SCDOT
Noise		
<p>In order to help minimize future traffic noise impacts on currently undeveloped land, SCDOT will inform local land use development officials within Richland and Lexington Counties of the best estimation of the future design year noise levels at various distances from the edge of the nearest travel lane of the highway improvement where the future noise levels meet SCDOT's criteria of "approach" for properties within the project limits. Per 23 CFR Section 772.117.</p>		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.6	Responsibility: CONTRACTOR		
<table><tr><td>Water Quality</td></tr><tr><td>A section 401 State Water Quality Certification would be required for the project. The project contractor is responsible for obtaining the certification as part of the Joint 404/401 permit application process.</td></tr></table>			Water Quality	A section 401 State Water Quality Certification would be required for the project. The project contractor is responsible for obtaining the certification as part of the Joint 404/401 permit application process.
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Water Quality	NEPA Doc Ref: Section 3.6	Responsibility: CONTRACTOR	
<table><tr><td>The contractor will be required to minimize possible water quality impacts through implementation of BMPs, reflecting policies contained in 23 CFR 650B and the Department's Supplemental Specification on Erosion Control Measures (latest edition) and Supplemental Technical Specifications on Seeding (latest edition). Other measures including seeding, silt fences, sediment basins, etc. as appropriate will be implemented during construction to minimize impacts to water quality.</td></tr></table>			The contractor will be required to minimize possible water quality impacts through implementation of BMPs, reflecting policies contained in 23 CFR 650B and the Department's Supplemental Specification on Erosion Control Measures (latest edition) and Supplemental Technical Specifications on Seeding (latest edition). Other measures including seeding, silt fences, sediment basins, etc. as appropriate will be implemented during construction to minimize impacts to water quality.
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Non-Standard Commitment	NEPA Doc Ref: Section 3.6	Responsibility: SCDOT
Water Quality		
SCDOT would mitigate stormwater runoff by discharging stormwater into appropriately designed BMP's before being released into receiving waters.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.6	Responsibility: CONTRACTOR
Water Quality		
The project contractor is responsible for development of a project specific SWPPP and for obtaining a Section 402 NPDES permit for the project prior to initiating land disturbing activities.		


Non-Standard Commitment	NEPA Doc Ref: Section 3.7	Responsibility: CONTRACTOR
Water Resources		
Compensatory mitigation for permanent stream and wetland impacts would be obtained through a combination of mitigation bank credit purchases and permittee responsible mitigation.		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.7	Responsibility: CONTRACTOR
Water Resources		
<p>A State Navigable Waters permit would be required for construction over any navigable waterways. The project contractor would be responsible for obtaining this permit.</p>		

Individual Permit	NEPA Doc Ref: Section 3.7/3.18	Responsibility: CONTRACTOR
Individual Permit		
<p>Impacts to jurisdictional waters will be permitted under a Department of the Army Section 404 permit from the U.S. Army Corps of Engineers. Based on preliminary design, it is anticipated that the proposed project would be permitted under an Individual Army Corps of Engineers Permit (IP). SCDOT will provide the Army Corps with information regarding any proposed activities during the Section 404 permitting process. The required mitigation for this project will be determined through consultation with the USACE and other resource agencies.</p>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.8	Responsibility: CONTRACTOR
Floodplains		
<p>Detailed hydraulic and hydrologic studies for each bridge crossing would be performed to determine the correct sizing of bridges and culverts.</p>		


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Non-Standard Commitment	NEPA Doc Ref: Section 3.8	Responsibility: CONTRACTOR
<div>Floodplains</div> <div>Coordination with South Carolina Electric &amp; Gas (SCE&amp;G) and FERC would be required for the two Saluda River floodway crossings due to its function as a hydroelectric facility.</div>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.8	Responsibility: CONTRACTOR
<div>Floodplains</div> <div>If design changes during the final design phase of the project necessitate impacts to the High Hazard Dam, any impacts would require coordination with SCDHEC and would likely require a Dam Modification Permit. Appropriate hydrologic and hydraulic modeling would be required as part of the permitting process.</div>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.8	Responsibility: CONTRACTOR
<div>Floodplains</div> <div>The project would be designed in an effort to meet “No-Rise” requirements. In the event a “No-Rise” condition cannot be achieved, coordination with FEMA would require the preparation of a CLOMR (Conditional Letter of Map Revision)/ LOMR (Letter of Map Revision) package for the encroachment.</div>		



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Non-Standard Commitment	NEPA Doc Ref: Section 3.8	Responsibility: CONTRACTOR
<div>Floodplains</div> <div>Where regulatory floodplains are defined, hydraulic structures would be designed to accommodate a 100-year (1% annual chance) flood. Where no regulatory floodplains are defined, culverts and bridges would be designed to accommodate a 50-year or greater magnitude flood event. Ongoing design efforts and coordination with resource and regulatory agencies would minimize floodplain impacts during the final design process.</div>		

Floodplains	NEPA Doc Ref: Section 3.8	Responsibility: CONTRACTOR
<div>Floodplains</div> <div>No substantial impacts to floodplain values are anticipated from the proposed project. If conditions change based on final design, additional measures would be evaluated to restore lost floodplain values.</div>		


Non-Standard Commitment	NEPA Doc Ref: Section 3.9	Responsibility: SCDOT
<div>Natural Resources</div> <div>To mitigate for natural upland forested habitats lost as a result of the project, SCDOT would consider planting trees (native species) within the rights-of-way adjacent to new or improved interchanges and roadways outside of required clear safety zones.</div>		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.9	Responsibility: CONTRACTOR
Natural Resources		
Impacts to areas providing significant wildlife habitat, such as river floodplains and other large riparian buffers, would be minimized to the extent practicable through avoidance and minimization design measures.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.9	Responsibility: CONTRACTOR
Natural Resources		
Preliminary project design includes the potential widening or replacement of bridges and addition of ramps over the Saluda River. Impacts to these waters and the protected fish and wildlife species dependent upon them would be avoided to the extent practicable through the use of appropriate BMP's.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.11	Responsibility: SCDOT
Section 4(f)		
To mitigate the temporary impacts to the Saluda Riverwalk Extension, SCDOT would notify the City of Columbia Parks and Recreation Department at least 48 hours in advance as to when the trail would be temporarily closed. SCDOT would also work closely with the Parks and Recreation Department to communicate the closing to trail users. When construction is complete, the condition of the trail would be equal to existing conditions.		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.12	Responsibility: CONTRACTOR
<div>Hazardous Materials</div> <div>Prior to construction, the project contractor would perform Phase II ESAs on the properties identified during Phase I assessments as having suspected contamination, including the subject properties, and/or on the adjoining properties or the ROW. Ultimately, the Phase II ESA include environmental sample collection (e.g. soil, soil gas, and groundwater), specifically, in areas where a potential for disturbance of soil and/or groundwater exists.</div>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
<div>Construction</div> <div>A traffic maintenance plan would be developed to minimize interference to traffic flow from construction equipment and activities.</div>		


Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
<div>Construction</div> <div>SCDOT would provide advance notice to emergency service providers, local schools, home owners associations, and the public of upcoming activities that are likely to result in traffic disruption. Such notifications would be accomplished through social media, on-site signage, newspaper notices, and SCDOT's website.</div>		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
SCDOT would accommodate bicycle/pedestrian access during project construction. Sidewalk and/or bicycle lane/path closures would be communicated to the agency with jurisdiction at least 48 hours in advance and appropriate signage would be placed.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: SCDOT
Construction		
SCDOT would continue coordinating with local EMS, local Fire Departments, the South Carolina Highway Patrol, and school districts to minimize effects during and after construction.		


Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
The contractor would ensure that all construction equipment is properly tuned and maintained.		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
<div>Construction</div> <div>Idling time would be minimized to save fuel and reduce emissions.</div>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
<div>Construction</div> <div>Water would be applied to control dust as needed to prevent dust impacts off site. There would be no open burning of removed vegetation. Vegetation should be chipped or delivered to waste energy facilities.</div>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
<div>Construction</div> <div>Construction operations would be scheduled for off-peak hours when reasonable/feasible.</div>		

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<b>Migratory Bird Treaty Act</b>	NEPA Doc Ref: <input type="text" value="Section 3.13"/>	Responsibility: <input type="text" value="CONTRACTOR"/>
<p>The federal Migratory Bird Treaty Act, 16 USC § 703-711, states that it is unlawful to pursue, hunt, take, capture or kill; attempt to take, capture or kill; possess, offer to or sell, barter, purchase, deliver or cause to be shipped, exported, imported, transported, carried or received any migratory bird, part, nest, egg or product, manufactured or not. The South Carolina Department of Transportation (SCDOT) will comply with the Migratory Bird Treaty Act of 1918 in regard to the avoidance of taking of individual migratory birds and the destruction of their active nests.</p> <p>The contractor shall notify the Resident Construction Engineer (RCE) at least four (4) weeks prior to construction/demolition/maintenance of bridges and box culverts. The RCE will coordinate with SCDOT Environmental Services Office (ESO), Compliance Division, to determine if there are any active birds using the structure. After this coordination, it will be determined when construction/demolition/maintenance can begin. If a nest is observed that was not discovered after construction/demolition/maintenance has begun, the contractor will cease work and immediately notify the RCE, who will notify the ESO Compliance Division. The ESO Compliance Division will determine the next course of action.</p> <p>The use of any deterrents by the contractor designed to prevent birds from nesting, shall be approved by the RCE with coordination from the ESO Compliance Division. The cost for any contractor provided deterrents will be provided at no additional cost to SCDOT.</p>		

<b>Non-Standard Commitment</b>	NEPA Doc Ref: <input type="text" value="Section 3.13"/>	Responsibility: <input type="text" value="CONTRACTOR"/>
<div> <div>Construction</div> <div> <p>During construction activities, erosion and sediment runoff would be minimized through the implementation of construction best management practices, reflecting policies contained in 23 CFR 650 B and S.C. Code of Regulations 72-400. In areas of disturbance where soils have been exposed, soils would also be stabilized per the SCDOT's Supplemental Technical Specification for Seeding.</p> </div> </div>		

<b>Non-Standard Commitment</b>	NEPA Doc Ref: <input type="text" value="Section 3.5 / 3.13"/>	Responsibility: <input type="text" value="CONTRACTOR"/>
<div> <div>Construction</div> <div> <p>Powered construction equipment shall not be operated during the traditional evening and/or sleeping hours within 150 feet of a noise sensitive site, to be decided either by local ordinances and/or agreement with the SCDOT. Additionally, the public would be notified and afforded the opportunity to provide comments prior to the use of powered construction equipment being operated adjacent to residential communities during evening and/or sleeping hours.</p> </div> </div>		

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Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
Potential borrow areas to be used for fill dirt for the project would be field reviewed and assessed for the presence of any jurisdictional features and cultural resources (historic/archaeological sites), and BMPs would be applied prior to disturbance to avoid and/or minimize erosion and runoff of sediments.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
Impacts to natural habitat communities would be minimized to the extent necessary to construct the project. Construction activities would be conducted within the disturbed footprint of the existing roadway and utility rights-of-way to the maximum extent practicable.		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
Should any endangered or threatened species be observed during construction of the project, construction activities within the area of observance would be ceased immediately and the USFWS or NMFS notified as applicable.		


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<b>Non-Standard Commitment</b>	NEPA Doc Ref: <input type="text" value="Section 3.13"/>	Responsibility: <input type="text" value="CONTRACTOR"/>
<div>Construction</div> <div> <p>A spill prevention, control, and countermeasures (SPCC) plan would be prepared in accordance with 40 CFR 112, for the handling of oils or oil-based products during construction to prevent a discharge of oil into navigable waters.</p> </div>		

<b>Non-Standard Commitment</b>	NEPA Doc Ref: <input type="text" value="Section 3.13"/>	Responsibility: <input type="text" value="CONTRACTOR"/>
<div>Construction</div> <div> <p>A hazardous waste management plan would be prepared for the handling of hazardous materials during construction, and an on-site health and safety plan would be developed for construction activities to protect human health (i.e. workers, residents, recreation and trespassers) and the environment proximate to the site.</p> <p>The hazardous waste management plan will also state that disposal of waste materials will be disposed of in approved landfills.</p> </div>		

<b>Non-Standard Commitment</b>	NEPA Doc Ref: <input type="text" value="Section 3.13"/>	Responsibility: <input type="text" value="CONTRACTOR"/>
<div>Construction</div> <div> <p>If avoidance of hazardous materials is not a viable alternative and soils that appear to be contaminated are encountered during construction, the South Carolina Department of Health and Environmental Control (SCDHEC) will be informed. Hazardous materials will be tested and removed and/or treated in accordance with the United States Environmental Protection Agency and the SCDHEC requirements, if necessary.</p> </div>		



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Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
<p>During the construction phase of the project, the contractor and subcontractors must notify their workers to watch for the presence of any prehistoric or historic remains, including but not limited to arrowheads, pottery, ceramics, flakes, bones, graves, gravestones, or brick concentrations. If any such remains are encountered, the Resident Construction Engineer (RCE) and SCDOT's Construction Manager would be immediately notified and all work in the vicinity of the discovered materials and site work shall cease until the SCDOT Archaeologist directs otherwise.</p>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
<p>An archaeological professional will be present during any ground disturbing activities related to Site 38LX212. Additionally, sites 38RD140, 38RD1175, and 38RD1176 will be protected from indirect effects, including borrow sites and equipment staging.</p>		

Non-Standard Commitment	NEPA Doc Ref: Section 3.13	Responsibility: CONTRACTOR
Construction		
<p>The Saluda Canal (Site 38RD59) would be clearly plotted on all construction plans along with an appropriate buffer of 25 feet. This zone would be clearly marked in the field using orange fencing during construction, and all ground disturbance and construction staging activities would be conducted outside of this buffer in order to avoid all possible impacts to the resource.</p>		

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