



RFP 2016-0022 - ADDENDUM 1

ROADWAY MAINTENANCE AND REPAIR SERVICES Town of Hilton Head Island, South Carolina

Date Issued: July 12, 2016

Proposal Opening: July 19, 2016 by 11:00 AM

Item 1. Questions and Answers regarding the proposal:

Q1. What is the difference between removal of existing asphalt pavement and the removal of existing pavement?

A1. SCDOT Specification No. 2025000 "Removal & Disposal of Existing Asphalt Pavement" deals specifically with asphalt pavement that is 2 or greater inches thick. It does not include curb, gutter, Portland cement concrete, brick, stone, or cobble paving. See SCDOT Specification Section 202, "Removal of Structures and Obstructions" for further clarification.

Attachments: SCDOT Specification Section 202

Reminder:

Deadline to submit a proposal is July 19, 2016 by 11:00 AM

SECTION 202

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

202.1 Description

- 1 This section contains specifications for the material, equipment, construction, measurement, and payment for the removal, wholly or in part, and satisfactory disposal of buildings, fences, guardrail, structures, old pavements, abandoned pipelines, underground storage tanks, and other obstructions that are not designated or permitted to remain, except for the obstructions removed and disposed of under other items in the Contract.
- 2 This subsection also contains specifications for the salvaging of all materials and backfilling of the trenches, holes, and pits.

202.2 Materials

- 1 None specified.

202.3 Equipment

- 1 Ensure that the equipment necessary for the proper construction of the work is on site, in acceptable working condition, and approved by the RCE as to both type and condition before the start of work under this section. Provide sufficient equipment to enable prosecution of the work in accordance with the project schedule and completion of the work in the specified time.

202.4 Construction

202.4.1 General

- 1 Raze and dispose of all buildings, foundations, structures, guardrail, fences, and any other obstructions that are on the right-of-way and are not designated to remain. Include structures (buildings) to be cut off at the right-of-way line and structures (buildings) and appurtenances located entirely outside the right-of-way limits when such items are indicated on the Plans as items to be demolished.
- 2 Due to the possibility of encountering asbestos, secure a permit in accordance with SCDHEC regulations anytime a structure is to be razed. Inspect the facilities identified in the Contract as a Removal and Demolition item for the presence of asbestos before the submission of the bid. If asbestos is located, the provisions of **Subsection 107.27** apply. Direct questions about the permit to the SCDHEC Bureau of Air Quality.
- 3 When structures (buildings) and obstructions are designated on the Plans to be cut off at a right-of-way line, produce a completed job of first class workmanship and remove and dispose of all debris and appurtenances, including utility connections from the portion of the structure within the right-of-way. Adequately support the portion of the structure remaining outside the right-of-way. Unless otherwise provided, re-facing is not required.

- 4 As directed by the RCE, remove, cap, or seal utility service connections such as sewers, water lines, electrical connections, gas lines, etc. left in place after the removal of the structure (buildings) and obstructions, at the right-of-way line, the edge of the existing pavement, or at the existing mains. Carefully store and protect utility materials unless the owner does not desire them. In this case, the material becomes the property of the Contractor.
- 5 When structures (buildings) and other obstructions are designated on the Plans to be cut off at the right-of-way or to be removed in their entirety, and unless otherwise provided, the structure (building) and all appurtenances and the material removed in performing this work becomes the property of the Contractor except utility materials as provided above. Take proper allowance for the value of the salvageable materials in the price bid for the item involved.
- 6 Destroy unusable perishable material. Unless otherwise permitted, dispose of non-perishable material outside the limits of view from the traveled roadway with written permission of the property owner on whose property the material is placed. Furnish copies of all agreements with property owners to the RCE. Without cost to the Department, obtain disposal sites and secure any applicable federal, state, county, or municipal permits as required. Certify in writing to the RCE that all permit requirements have been met before placing any material in a disposal area.
- 7 Remove unsuitable material from wells, cisterns, septic tanks, other tanks, basements, and cavities. Outside of construction limits, remove foundations left by structure removal to a depth of not less than 1 foot below natural ground. Within construction limits, remove foundations to a depth of not less than 2 feet below subgrade elevation. Break up basement floors to prevent them from holding water. Backfill basements or cavities left by structure removal as directed with material approved by the RCE and compact in accordance with the provisions of **Subsection 205.4.6** unless otherwise directed.
- 8 Where a structure or obstruction has been previously removed and the existing utility connections have not been terminated and capped, comply with the above provisions for utility service connections.
- 9 Comply with the requirements in the *SCDOT Construction Manual* including notifying the SCDOT Director of Communications before performing any blasting operations. Before blasting in any stream, river, or lake coordinate plans and operations with the local SCDNR District Fisheries Biologist and District Law Enforcement Captain.

202.4.2 Removal and Disposal of Bridges, Culverts, and Other Drainage Structures

- 1 Do not remove bridges, culverts, or other drainage structures in use by traffic until satisfactory arrangements have been made to accommodate traffic. Adequately shore any excavation adjacent to the structure or to its approaches to avoid damage to them or to traffic.

- 2 Before demolition of any bridge structure, coordinate with the RCE to complete SCDHEC form entitled: *Notification of Demolition and Renovation*. After the RCE and the Contractor have signed the completed form, attach a copy of the Asbestos Investigation Report and submit the completed form and report at least 10 working days before demolition begins to the following address:

Manager, Asbestos Section
SC Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201
- 3 Also, at least 10 working days before work begins, submit a *Demolition Plan* prepared by a Professional Engineer registered in South Carolina to the RCE for review and acceptance for structures over or adjacent to highways, navigable waters, railroads, and other public areas.
- 4 Unless otherwise directed, remove the substructures of existing structures within the stream down to the natural stream bottom. Remove those parts outside of the stream, including land structures, down 2 feet below natural ground surface. Where such portions of existing structures lie wholly or in part within the limits of a new structure, remove them as necessary to accommodate the construction of the proposed structure.
- 5 Unless otherwise specified on the Plans and/or in the Contract, the material in the structure removed becomes the property of the Contractor. Remove this material from the work site before completion of the work, and take proper allowance for its salvage value in the price bid for the item involved. If the Plans or the Special Provisions provide for the material in the structure removed to remain the property of the Department, carefully dismantle steel or wood structures without unnecessary damage. Match-mark steel members and store all salvaged material as directed by the RCE.
- 6 Before placing any new work, complete blasting or other operations necessary for the removal of an existing structure or obstruction that may damage the new construction.
- 7 If the structural components designated for removal and disposal contain lead-based paints, comply with all applicable federal, state, and municipal requirements for lead as waste; for lead in the air, water, and soil; and for worker health and safety.
- 8 Remove and dispose of concrete or brick box culverts or arches that are designated on the Plans to be removed, but do not interfere or conflict with the placing of a new structure, to a point 2 feet below the bottom of the top slab or to a point where the sidewalls are a minimum of 3 feet below the sub-grade elevation. If culverts or arches interfere or conflict with the new structures, remove them in their entirety or to the limits shown in the Plans.
- 9 Unless otherwise provided, all concrete removed becomes the property of the Contractor.

202.4.3 Removal and Disposal of Pipe and Tile Drains

- 1 When noted on the Plans or when required by the RCE, remove existing pipes, pipe arches, tile drains, or other drainage devices located within the extreme limits of the project, including bridge sites. Remove pipe and tile in a careful manner and neatly store them at locations designated by the RCE unless it is to be re-laid as a part of the Contract. Any damage to pipe or tile during removal and storage because of negligence or improper handling or storing methods is the responsibility of the Contractor. Properly dispose of pipe removed and designated by the RCE as having no value.
- 2 Remove pipe or tile if any part of which conflicts with the installation of a new drainage structure. If not otherwise specified, include the cost of removal in the contract price bid for the new structure. Likewise, no direct payment will be made for the removal of pipe or tile that is to be re-laid at the same or other locations on the project.

202.4.4 Removal of Existing Guardrail

202.4.4.1 General

- 1 Remove bolts securing existing guardrail and remove guardrail elements. Remove all materials, including hardware, from the roadway immediately so that it does not create an obstacle for the traveling public. Place this material behind a completed section of guardrail or store it neatly in an area at least 30 feet from the travelway unless otherwise specified. The removed guardrail components become property of either the Department or the Contractor as stated in the Contract. Backfill postholes with suitable compacted material.

202.4.4.2 Guardrail that Remains the Property of the Department

- 1 If in accordance with the Contract the existing guardrail removed remains the property of the Department, store it within the limits of the project and protect it until it is removed from the project by the Department or for a period of 30 days, whichever comes first.

202.4.4.3 Guardrail that becomes the Property of the Contractor

- 1 If in accordance with the Contract the existing guardrail removed becomes the property of the Contractor, store it safely away from the traveling public until it is removed from the project.

202.4.5 Removal and Disposal of Pavements, Sidewalks, and Curbs

- 1 If so designated, remove and dispose of the following items unless such material is suitable for use in constructing embankments: existing Portland cement concrete, brick, or stone pavements with or without asphalt overlays, concrete, brick or stone sidewalks, concrete gutter or integral curb and gutter curb, asphalt concrete pavement, or asphalt curb. If suitable and approved by the RCE, this material may be used to construct embankments.
- 2 As directed by the RCE, sawcut pavement as necessary to produce a uniform line between the pavement to be retained and to be removed.

- 3 When the Plans indicate that concrete gutter is to be retained as a base and its integral curb removed, remove the curb to the top elevation of the gutter using methods approved by the RCE that prevents damage to or displacement of the retained gutter.

202.4.6 Removal and Disposal of Underground Storage Tank (UST)

- 1 When noted on the Plans or directed by the RCE, remove and dispose of all underground storage tanks and any associated contaminated soil. Conduct the work in accordance with the applicable SCDHEC regulations.
- 2 Secure the landowner's signature on the *Tank Ownership Closure Form* and submit it to the SCDHEC as required by the following regulation:
Underground Storage Tank Control Regulations R.61-92, Part 280: promulgated pursuant to Section 44-2-50 of the 1976 South Carolina Code of Laws and enacted March 23, 1990.
- 3 Submit all paperwork involving the closure of an UST to SCDHEC within 30 days after the UST closure is complete. Visit the SCDHEC website to obtain the most current information on UST closure requirements. Provide acceptable means to assist the RCE in determining the quantity of the work items associated with all activities related to UST removal and remediation.

202.5 Measurement

- 1 Unless otherwise specified, the pay items Removal of Structures and Obstructions, Removal and Disposal Item No. (*number*), and Removal and Disposal of Existing Bridge are paid for on a lump sum (LS) basis; and therefore, there is no specific measurement of quantities for these items.
- 2 The quantity of material used to backfill areas that is excavated as directed and approved by the RCE during the work for a removal item is measured by the cubic yard (CY) of Unclassified Excavation or Borrow Excavation as applicable in accordance with **Subsection 203.5**.
- 3 The quantity for the pay item Removal and Disposal of Existing Culvert (of the width and height specified) is measured by each (EA) reinforced concrete box culvert removed and disposed of as indicated on the Plans or directed by the RCE, regardless of the length of the culvert. If this item is not included in the Contract, the cost of the removal of concrete or brick culverts or arches is consider included in contract unit bid prices of the various other pay items in the Contract.
- 4 The removal and disposal of pipes, pipe arches, tile drains, and other drainage devices not otherwise specified is measured by the cubic yard (CY) as Unclassified Excavation in accordance with **Subsection 203.5**. No measurement is made for the removal of pipe that is replaced by new pipe or for the removal of pipe that is re-laid at any location. The cost of this removal is included in the new pipe or re-laid pipe items.
- 5 The quantity for the pay item Removal and Disposal of Existing Pavement is the actual horizontal surface area of the following material removed from

the project and is measured by the square yard (SY) of the pavement before removal, complete, and accepted:

- Existing brick pavement with or without asphalt overlay;
- Brick sidewalk;
- Cobblestone pavement with or without asphalt overlay;
- Portland cement concrete pavement with or without asphalt overlay;
- Portland cement concrete gutter;
- Portland cement concrete integral curb and gutter; or
- Portland cement stabilized base with asphalt concrete overlay.

6 The quantity for the pay item Removal and Disposal of Existing Asphalt Pavement is the actual horizontal surface area of asphalt concrete pavement with a total thickness of 2 inches or greater removed from the project, unless otherwise indicated, and is measured by the square yard (SY) of area before removal, complete, and accepted

7 Areas of asphalt pavement with a total thickness less than 2 inches or as otherwise indicated, such as aggregate bases, earth type bases, and other flexible pavement structure components are not included in the quantity for the pay item Removal and Disposal of Existing Asphalt Pavement because they are included in the quantity for the pay item Unclassified Excavation in accordance with **Subsection 203.5**.

8 The quantity for the pay item Removal and Disposal of Existing Curb is the length of existing stone, bituminous, or concrete curb removed from the project and is measured by the linear foot (LF) along the curb before removal, complete, and accepted.

9 When the Plans indicate that existing pavement or curb is to be removed, and the pay items Removal and Disposal of Existing Pavement, Removal of Existing Asphalt Pavement, or Removal and Disposal of Existing Curb are not included in the Contract, the removal and disposal of existing pavement or curb is included in quantity for the pay item Unclassified Excavation in accordance with **Subsection 203.5**.

10 The quantity for the pay item Removal of Existing Guardrail is the length of existing guardrail removed and is measured by the linear foot (LF) of existing guardrail removed as indicated in the Plans or directed by the RCE, complete, and accepted.

11 The quantity for the pay item Removal and Disposal of Tank Contents is the volume of the fluid removed from an underground storage tank and disposed of in accordance with SCDHEC regulations and is measured by the gallon (GAL), complete, and accepted.

12 The quantity for the pay item Removal and Disposal of Low-Level Contaminated Soil or Removal and Disposal of High-Level Contaminated Soil is the weight of the contaminated soil (as determined by SCDHEC regulations) removed from around an underground storage tank properly and disposed of in

accordance with SCDHEC regulations and is measured by the ton (TON), complete, and accepted.

202.6 Payment

- 1 Payment for the accepted quantity for each pay item, measured in accordance with **Subsection 202.5**, is determined using the contract unit bid price for the applicable item. Payment includes all direct and indirect costs and expenses necessary to complete the work.
- 2 Payment for lump sum pay item Removal of Structures and Obstructions is full compensation for removing and disposing of structures and obstructions as specified or directed and includes all materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.
- 3 If there is no pay item for the removal and disposal of a structure or obstruction indicated on the Plans, no direct payment is made for work necessary to remove and dispose of the structure or obstruction, and the cost for the work is considered included in the contract unit bid price of various other pay items of the Contract.
- 4 The removal and disposal of pipe, pipe arches, tile drains, or other drainage devices not otherwise specified is paid for as Unclassified Excavation in accordance with **Section 203**.
- 5 Any backfill required under this section is paid for as Unclassified Excavation or Borrow Excavation as applicable in accordance with **Section 203**.
- 6 Payment for the accepted quantity for Removal and Disposal of Existing Pavement is full compensation for removing and disposing of the existing brick pavement (with or without asphalt overlay), brick sidewalk, cobblestone pavement, Portland cement concrete pavement (with or without asphalt overlay), Portland cement concrete gutter, Portland cement concrete integral curb and gutter, and Portland cement stabilized base with asphalt concrete overlay as specified or directed and includes all materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.
- 7 Payment for the accepted quantity for Removal and Disposal of Existing Asphalt Pavement is full compensation for removing and disposing of existing asphalt pavements with thickness of 2 inches or greater as specified or directed and includes all materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.
- 8 Payment for the accepted quantity for Removal and Disposal of Existing Curb is full compensation for removing and disposing of existing concrete, asphalt, or stone curb as specified or directed and includes all materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to

complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.

- 9 Overhaul is paid in accordance with **Section 207**, except in conjunction with the following pay items:
- Removal and Disposal of Existing Pavement,
 - Removal and Disposal of Existing Asphalt Pavement,
 - Removal & Disposal of Existing Curb, and
 - Removal & Disposal of Existing Asphalt Curb.
- 10 Payment for the lump sum item Removal and Disposal Item No. (*schedule number*) is full compensation for removing and disposing of items designated by a *Schedule Number* on the Plans and includes the salvage of materials; their custody and preservation; storage on the right-of-way or as designated; and their disposal as specified or directed; and all materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.
- 11 Payment for the accepted quantity for Removal of Existing Guardrail is full compensation for removing of existing guardrail as specified or directed and includes dismantling and removing existing guardrail, posts, blockouts, end treatments, and other components; backfilling and compacting postholes; and all materials, labor, equipment, tools, supplies, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract. Payment also includes safely storing and protecting the material until the Department removes the material or until it is removed by the Contractor, whichever is specified in the Contract or directed by the RCE.
- 12 Payment for the accepted quantity for Removal and Disposal of Tank Contents is full compensation for removing and disposing of the fluid contents in underground storage tanks (UST) in accordance with SCDHEC regulations and as specified or directed and includes safely pumping or otherwise emptying the UST; hauling the fluid in approved vehicles; properly discharging it an approved disposal site; and all materials, labor, equipment, tools, supplies, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.
- 13 Payment for the accepted quantity for Removal and Disposal of Low-Level Contaminated Soil or Removal and Disposal of High-Level Contaminated Soil is full compensation for removing and disposing of the material classified as Low-Level or High-Level contaminated soil from around underground storage tanks in accordance with SCDHEC regulations and as specified or directed and includes safely excavating the contaminated material; protecting uncontaminated material on the site; hauling the contaminated material in approved vehicles; disposing of it at an approved site; and all materials, labor, equipment, tools, supplies, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.

- 14 The removal and disposal of the underground storage tank including all piping associated with the UST system and the dispenser island, if applicable, is paid as a Removal and Disposal pay item.
- 15 If the Contract contains the lump sum pay item Clearing & Grubbing within Right-of-Way, then in addition to the work requirements of **Section 201**, payment includes the cost of removing and disposing of items within the clearing and grubbing area in accordance with **Section 202**, except for those items setout specifically as separate pay items in the Contract or as otherwise noted.
- 16 Pay items under this section include the following:

Item No.	Pay Item	Unit
2021000	Removal of Structures and Obstructions	LS
2021200	Removal and Disposal of Tank Contents	GAL
2021205	Removal and Disposal of Low-Level Contaminated Soil	TON
2021210	Removal and Disposal of High-Level Contaminated Soil	TON
2022000	Removal & Disposal Item No. <i>(number)</i>	LS
2023000	Removal & Disposal of Existing Pavement	SY
2024100	Removal & Disposal of Existing Curb	LF
2025000	Removal & Disposal of Existing Asphalt Pavement	SY
2027801	Removal of Existing Guardrail	LF
202810X	Removal & Disposal of Existing Bridge	LS
202850X	Removal & Disposal of Existing Culvert <i>(width)</i> ft. × <i>(height)</i> ft.	EA