

ALABAMA DEPARTMENT OF TRANSPORTATION

DATE: November 18, 2020

Special Provision No. 18-0988

EFFECTIVE DATE: March 1, 2021

SUBJECT: Bridge Removal.

Alabama Standard Specifications, 2018 Edition, SECTION 206 shall be revised as follows:

SECTION 206 REMOVAL OF MISCELLANEOUS EXISTING DRAINAGE AND OTHER FACILITIES

206.03 Construction Requirements.

Article 206.03 shall be replaced with the following:

206.03 Construction Requirements.

Each existing bridge or portion thereof requires a removal plan to be submitted to the Construction Bureau prior to starting demolition.

The bridge removal plan shall include the following information:

- Station numbers for the existing bridge to be removed.
- Description of the bridge: number of spans, length and width of bridge, number and types of bridge components.
- Sequence of bridge removal.
- List of equipment to be used including the make, model, number and size.
- List and description/drawings of any proposed temporary encroachments if applicable for removing any bridge components within or over a stream, water body or wetland. Temporary encroachments shall be submitted in accordance with Articles 107.09, 107.23, and applicable plan requirements.
- List of all materials and methods proposed to be used in accordance with the plans and stormwater best management practices to protect to the maximum extent practicable the water quality of the intersecting stream, water body or wetland during the bridge removal.
- Estimated length of time for the bridge removal.
- Plan for final disposition of materials removed.
- Photographs of the existing bridge.

No demolition work can start until the removal plan has been accepted and distributed. The Contractor and the Project Manager shall meet to discuss the removal plan prior to beginning any demolition work.

No existing bridge shall be removed or closed to traffic until satisfactory provisions for the passage of traffic have been made and approved by the Engineer.

When the plans provide for using old bridge substructures or parts of them as permanent parts of a new structure, only those portions shall be removed which are so indicated on the plans.

All portions of existing bridges, including debris, at or just above the mudline of a stream, water body, or wetland shall be removed unless otherwise specified on the plans. Otherwise, all portions of existing bridges may be either removed entirely or broken down to an elevation of at least 3 feet {1 m} below subgrade or natural ground.

During the removal of an existing bridge, no heavy equipment (except as noted above for temporary encroachments) shall be allowed in a stream, water body or wetland. Portions of an existing bridge over

a stream, water body or wetland, including any piers/bents within them, shall be removed from the top down utilizing saw cutting or other approved methods which prevent to the maximum extent practicable debris from entering the water. Slurry from any saw cutting operations shall also be contained to the maximum extent practicable.

On navigable waterways, provisions shall also be made for waterway traffic in accordance with U.S. Coast Guard and/or Corps of Engineers, Rules and Regulations. The Coast Guard and Corps of Engineers shall be given notification of the dates and work procedures planned for the removal of existing bridges over navigable waterways. The Contractor shall give this notification at least 21 calendar days prior to the date of the beginning of the removal work.

Use of methods or equipment which might damage completed structures, structures to be retained, or portions of structures, will not be permitted.

Blasting will not be permitted without prior written approval of the Engineer. Blasting, if approved, shall be in accordance with Article 107.11.

Where portions of existing pavement, curb and gutter, walks, and similar items are to remain and join the surface of the new work, they shall be removed to an existing joint or cut off to a neat line with vertical face using saws or other approved equipment that will not damage the retained portion of the work.

Pipe that is not to be salvaged shall be removed or, if concrete, it may be broken up in place.

In removing manholes, inlets, etc., any live sewers connected with them shall be satisfactorily bypassed, rebuilt, and reconnected without additional compensation.

Removing railway or street railway tracks shall include removal of all rails, paving, switches, frogs, guardrails, ties, track, encasement, and other appurtenances. Ballast and concrete foundations shall be included unless otherwise directed.

Removing pipe headwalls shall include removal and disposal of the encased joint of pipe unless otherwise directed.

Rubble shall be removed in accordance with the requirements shown on the plans.

Walls and foundations that are not needed shall be removed to an elevation at least 2 feet {600 mm} below excavation limits in excavation areas, 3 feet {1 m} below subgrade in embankment areas and to ground level or as directed elsewhere.

All trenches and excavations resulting from the removal or breaking down of old culverts or structures shall be filled with suitable materials placed in accordance with Section 210.

Any reinforcing steel to be left in place to serve as dowels or ties shall not be injured by the removal of the concrete. Such dowels or ties shall be cleaned and straightened or bent as required to fit new work.

Removing cable guiderail shall include removal and disposal of all related items (Cables, end anchors, footings, posts, concrete pads, hardware, etc.) associated with the cable guiderail system.