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SUPPLEMENTAL SPECIFICATION

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By: \_\_\_\_\_  
FEDERAL HIGHWAY ADMINISTRATION

July 1, 2021

**SECTION 806: TEMPORARY BARRIER FENCE FOR ENVIRONMENTAL BOUNDARY:**

**DESCRIPTION**

This work consists of furnishing, installing, maintaining, and removal of temporary barrier fence at the limits of permitted construction activities to delineate environmentally, historically, and/or culturally sensitive areas in locations shown on the plans and permits and as directed by the Engineer. For the purposes of this specification, areas adjacent to the limits of construction requiring delineation with temporary barrier fence will be referred to as protected areas.

Install all temporary barrier fences prior to any clearing and grubbing or other land-disturbing activities. Failure to install the fence as specified herein will result in stoppage of all land-disturbing construction operations until the necessary fence is installed. If written request is made in advance by the Contractor, the Engineer may allow limited construction activities in areas that are not adjacent to protected areas prior to the installation of temporary barrier fence.

**MATERIALS**

Construct the temporary barrier fence using orange mesh fabric mounted on regularly spaced steel posts.

Use orange barrier fence meeting the following requirements:

1. Constructed of polyethylene, polypropylene or a combination of the two
2. Contains an ultraviolet stabilizer or inhibitor
3. Mesh opening: 1 ½" x 1 ½" (Min.) 3" x 3" (Max.)
4. Tensile strength: 180 lbs/ft (Min.)
5. 4' x 100' roll weight: 18 lbs (Min.)

Use steel posts with a minimum length of 5 feet and a minimum weight of 1.25 lbs per foot of length. In poor soil conditions where the fence is not stable, equip steel posts with soil stabilization plates, use longer steel posts, or decrease post spacing.

**CLEARING AND GRUBBING**

The horizontal placement of the fence may be reasonably adjusted away from protected areas in the field to avoid obstructions as long as there is sufficient room to perform the work, including the installation and maintenance of erosion control devices. If vegetation and other obstructions prevent the installation of barrier fence in areas where work is required, clear as needed to install the fence without the use of mechanized equipment ("hand clear") to avoid damage to protected areas.

**INSTALLATION AND REMOVAL**

Fence shall be installed along environmentally, historically, and/or culturally sensitive areas within project limits as identified on the plans, permit drawings, and/or as directed by the Engineer. Posts shall be set and maintained in a vertical position and may be hand set or set with a post driver at a maximum spacing of 8 feet. Where conditions warrant, reduced post spacing may be required. If hand set, all backfill material shall be thoroughly tamped. Attach the orange fabric to the steel posts with wire or other acceptable means. Install the barrier fence to conform to the general contour of the ground. Terminate temporary barrier fence at stream crossings and ditches.

The RCE may allow minor deviations to the post spacing or allow the temporary attachment of the fencing to trees, large shrubs or other obstructions to minimize hand clearing. Once all required clearing and grubbing is complete in the area, relocate any barrier fence temporarily attached to trees, large shrubs, or other obstructions to steel posts. Closely monitor any active work near any sections of barrier fence that are not attached to steel posts to ensure protected areas are not disturbed until the all barrier fence is permanently attached to steel posts.

Maintain the fence in a satisfactory condition for the duration of the project as determined by the Engineer. Remove the temporary barrier fence upon completion of the project.

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**METHOD OF MEASUREMENT AND PAYMENT**

The quantity of barrier fence to be paid for shall be the actual number of linear feet of fence installed in place and accepted by the Engineer. No direct payment will be made for soil stabilization plates, extra-length posts, posts and post bracing, and adjustment, maintenance or resetting of temporary barrier fence during construction. The above prices and payments will be considered full compensation for all work covered by this provision.

Payment will be made under:

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>
<b>8068301</b>	<b>Temporary Barrier Fence</b>	<b>LF</b>