

ITEM 607.93010025 – TURTLE PROTECTION BARRIER

1. DESCRIPTION:

- 1.01 This work shall consist of all the labor and materials to install and maintain the turtle protection barrier of the type and at the locations shown in the plans or where directed by the Engineer.

2. MATERIALS:

- 2.01 Materials for the turtle protection barriers shall conform to the following requirements:

- A. 1 x 2 inch, 24 inch height, 12 gauge, galvanized steel fencing or mesh
- B. Plastic UV resistant standard duty cable ties

3. CONSTRUCTION DETAILS:

- 3.01 Areas designated for protection are located on the plans by Milepost. The turtle protection barrier shall be 18 inches in height above the ground surface, plus or minus two (2) inches. It shall be installed parallel with the highway profile on existing right-of-way fence. Installation shall be upon the Thruway side (upslope) of right-of-way fence. Turtle fencing shall be secured to each right-of-way fence post at a minimum of three locations with UV resistant cable ties (top, middle and bottom of post) and at two (2) foot intervals between fence posts at a minimum of three locations (top, middle and bottom of fencing.) The bottom of the fencing shall be embedded in the ground four (4) to six (6) inches to prevent the movement of turtles under the fencing. Once fence is placed in trench, soil shall be placed back and tamped over buried fence bottom. Ends of fencing sections shall overlap with the next section of fencing by two (2) feet. Secure overlap with cable ties. Any brush or vegetation clearing needed for fence installation shall be included in the bid price.
- 3.02 Maintenance shall commence immediately after erection of the turtle barrier and continue until final acceptance of the contract. Maintenance shall consist of tightening or replacing damaged fencing as required by the Engineer.

4. METHOD OF MEASUREMENT:

- 4.01 Turtle protection barrier will be measured as the number of feet of barrier erected and measured along the top of the barrier erected.

5. BASIS OF PAYMENT:

- 5.01 The unit price bid per foot shall include the cost of furnishing all labor, materials and equipment necessary to satisfactorily complete the work.