**Special Note for Continuous Linear Delineations Panels**

1. **DESCRIPTION.**

Furnish and install Linear Delineation System Panels, or approved equal, where indicated on the plans, in the proposal or as directed by the Engineer. Except as provided herein, this work shall be performed in accordance with the Department’s current Standard Specifications, applicable Standard and Sepia Drawings, and applicable Special Provisions except as hereafter specified.

1. **MATERIALS.**

Panels shall be structured, wide-angle retroreflective panels designed for segmented or continuous marking of concrete barriers and/or guardrails. Each panel shall be designed to attach/adhere to, and shall be compatible with, concrete safety barriers and/or highway guardrails. The panels shall be designed to provide highly effective, long-life daytime and nighttime visibility in typical roadway barrier configurations. Each panel shall be constructed of Type XI retroreflective material in standard highway colors. The panels shall be available in white, red, fluorescent yellow, and fluorescent orange colors. The panel assembly shall contain curved 3-D raised reflectors and/or repeating raised lateral ridges at intervals every 7 inches or less. Each panel shall not be less than 24 inches in length. All materials may be sampled and tested in accordance with the Department's Sampling Manual and the materials shall be available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in these Notes. A copy of the certification test report shall be submitted to the Department prior to installation.

1. **CONSTRUCTION METHODS.**
2. **Maintain and Control Traffic.** See Traffic Control Plan.
3. **Site Preparation.** Be responsible for all site preparation including, but not limited to, staking, excavation, special excavation, embankment and embankment in place, removal of obstructions, or any other items necessary for site preparation. Perform all site preparation only as approved or directed by the Engineer.
4. **Panels.** All panels are to be installed at the approximate locations listed in the Proposal with the exact location and manner of attachment for each panel to be determined by the contractor based on manufacturer’s requirements and approved by the Engineer. Panels should be installed so that there is no gap between panels for a continuous appearance. Before beginning installation, the contractor shall furnish to the project engineer for approval the following: drawings, descriptions, manufacturer’s cuts, etc. covering all material used. Prepare the side to receive the retroreflective background material according to the substrate and reflective material manufacturer’s recommendations. Sheeting used is to be the color specified and visually in accordance with standard requirements of ASTM D-4956 and meet the requirements of Section 830 of the standard specifications. All retroreflective materials shall be fabricated and assembled in accordance with manufacturer’s specifications and/or recommendations.
5. **Property Damage.** The Contractor will be responsible for all damage to public and/or private property resulting from his work. Repair or replace damaged roadway features in like kind materials and design as directed by the Engineer at no additional cost to the Department. Repair or replace damaged private property in like kind materials and design to the satisfaction of the owner and the Engineer at no additional cost to the Department.
6. **Caution.** The information in this proposal and shown on the plans and the type of work listed herein are approximate only and are not to be taken as an accurate evaluation of the materials and conditions to be encountered during construction; the bidder must draw his own conclusions. The Department does not give any guarantee as to the accuracy of the data and no claim for money or time extension will be considered if the conditions encountered are not in accordance with the information shown.
7. **Control.** Perform all work under the absolute control of the Department. Obtain the Engineer’s approval of all designs required to be furnished by the contractor prior to incorporation into the work. The Department reserves the right to have other work performed by other contractors and its own forces and to permit public utility companies and others to do work during the construction within the limits of, or adjacent to, the project. Conduct operations and cooperate with such other parties so that interference with such other work will be reduced to a minimum. The Department will not honor any claims for money or time extension created by the operations of such other parties. Should a difference of opinion arise as to the rights of the contractor and others working within the limits of, or adjacent to, the project, the Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department’s work in general harmony and in a satisfactory manner, and his decision shall be final and binding upon the contractor.
8. **METHOD OF MEASUREMENT**
9. **Maintain and Control Traffic.** See Traffic Control Plan.
10. **Site Preparation.** Other than the bid items listed, the Department will NOT measure Site Preparation for payment but shall be incidental to other items of work.
11. **Linear Delineation Panel.** Linear Delineation Panels shall be measured in Linear Feet. Along runs of concrete barrier/guardrail where this item is proposed, the quantity shall be measured as the entire length of the run being delineated, excluding the spaces between the individual panels.
12. **BASIS OF PAYMENT**
13. **Maintain and Control Traffic.** See Traffic Control Plan.
14. **Linear Delineation Panel.** Payment is full compensation for cleaning and preparing the barrier; furnishing and installing the material; and furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work.