

TO: ASSISTANT CHIEF HIGHWAY ENGINEER  
ALL H.Q. DIRECTORS: Prof. Services, Planning & Major Projects  
ALL REGIONAL MANAGERS: Prof. Services, Planning & Operations  
ALL DISTRICT HIGHWAYS MANAGERS

SUBJECT: PROPRIETARY STRUCTURES/PRODUCTS CONSTRUCTION INSPECTION

PURPOSE:

To ensure that structures and products are built and used according to the supplier's specifications in those cases where construction and application methods are critical to the successful performance of those structures and products.

BACKGROUND:

Construction supervision and inspection is used to ensure that design plans and specifications are adhered to. Construction methods and material properties must be compatible with design assumptions.

For some structures, the construction method is particularly critical if the structure is to perform as intended by the designer. Construction methods can be specified but if such specifications are unusual or are too detailed, normal inspection procedures are often inadequate. Yet, the ultimate safety of such structures, as well as the validity of any explicit or implied warranties can only be protected if special care is taken during construction. Therefore, extra inspection and construction supervision is required for certain structures.

Similarly, the intended performance of some materials is critically dependent on how they are used and applied. The required extra care is normally assured by requiring skilled or certified applicators.

PROCEDURE:

Construction/installation of the following products or systems shall be supervised by the designer or supplier. This inspector will report all required changes and/or comments to the Project Supervisor. The purchase price of these products or systems shall include the cost of supervision and inspection.

All structural systems listed below require each design to be approved by a Professional Engineer.


PRODUCT LIST:

- (1) Soil - Steel Structures with spans of 6 m or more.
- (2) Tech Span (TM) Structures by Reinforced Earth Company
- (3) Reinforced Earth retaining walls higher than 5 m.
- (4) Reinforced Soil walls higher than 2 m.
- (5) New or unique coating and painting projects (see also Sec. 216 of General Specifications).

The above list may be amended from time to time and does not limit the use of similar inspection requirements for nonlisted products.

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