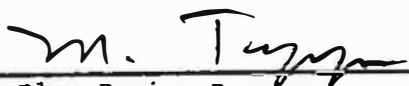


MODIFIED BY EI 82-055 EFFECTIVE 8/20/82	<h1>ENGINEERING INSTRUCTION</h1> <p>NEW YORK STATE DEPARTMENT OF TRANSPORTATION</p>	
SUPERSEDED BY EB 01-010 EFFECTIVE 2/6/01	SUBJECT: MOTORIST SERVICES SIGNS AND TOURIST ORIENTED BUSINESS DIRECTIONAL SIGNS	
Subject Code: 7.27-1-645		
Distribution: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Regions <input checked="" type="checkbox"/> Special		Code: <u>EI82-48</u>
APPROVED:  <u>M. Tegza, Final Plan Review Bureau</u>		Date: <u>7/13/82</u> Supersedes: EI 79-004

This Engineering Instruction transmits the following special specifications:

- 15645 60xx01 Tourist Oriented Business Directional Signs and Ramp Service Signs
- 15645.61xx01 Motorist Services Signs

The following special specifications are disapproved:

- 15645.60 Tourist Oriented Business Directional Signs and Ramp Services Signs
- 15645 61 Motorist Services Signs

The specifications were changed to delete the requirement for the Contractor to install the Business Panels. From now on, such panels will be installed by the Maintenance Division.

This Engineering Instruction becomes effective with the October 28, 1982 letting.

15645.60XX01 - TOURIST ORIENTED BUSINESS DIRECTIONAL SIGNS AND RAMP SERVICE SIGNS

Description. This work shall consist of furnishing and installing Tourist Oriented Business Directional Signs and Ramp Service Signs; and/or furnishing additional sign panels and posts, in accordance with Contract Documents, Standard Sheets or as ordered by the Engineer.

Materials. Materials shall meet the requirements of Section 645-2 of the Standard Specifications except as modified by the Standard Sheets.

Construction Details. Construction details shall meet the requirements of Section 645-3 except as modified by this Specification and the Standard Sheets. These signs are assembled using a heading panel and from one to four background panels to which are attached business panels.

Panel Fabrication. Panels shall be fabricated as specified on the Standard Sheets. The types of panels fabricated shall be those necessary to construct the sign assembly specified on the plans.

Assembly. The sign shall be assembled as specified on the Standard Sheet with the heading and background panels arranged as specified on the plans.

Furnishing Additional Heading and Background Panels. Additional heading and background panels shall be furnished as specified in the Contract Documents. They shall be suitably packaged to prevent damage and delivered to the place designated in the Contract Documents. Packages shall be clearly labeled as to contents.

Business Panels. Business panels will be installed by the State.

1. Standard size Tourist Oriented Business Directional Signs and Ramp Service Signs shall be installed on approved Type A Posts in accordance with the appropriate installation instructions and Standard Sheets.
2. Intermediate and large size Tourist Oriented Business Signs.

Posts shall have breakaway bases (slip bases) except that those posts located behind guide rail shall not require breakaway bases. Posts, breakaway bases and footings shall be constructed and installed as specified on the standard sheets for "Typical Guide Signs."

Posts shall not be installed in soft clays, loose silts or organic soils except as directed by the Engineer.

Furnishing Additional Posts. Additional posts shall be furnished as specified in the Contract Documents. Posts shall be delivered to the place designated in the Contract Documents.

Method of Measurement. Tourist Oriented Business Directional Signs and Ramp Service Signs shall be measured as the number of complete signs furnished and installed.

Additional background and heading sign panels shall be measured as the number of individual panels actually furnished.

Additional posts shall be measured as the number of individual posts actually furnished.

Basis of Payment. The unit price bid for furnishing and installing signs shall include the cost of all material, equipment and labor necessary to complete the work, and posts and footings including the breakaway base assembly.

The unit price bid for furnishing additional background panels, heading panels and posts shall include the cost of all material, equipment, labor and delivery.

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
15645.600101	Furnish and Install Standard Size Tourist Oriented Business Directional Sign (1 panel)	Each
15645.600201	Furnish and Install Standard Size Tourist Oriented Business Directional Sign (2 panel)	Each
15645.600301	Furnish and Install Standard Size Tourist Oriented Business Directional Sign (3 panel)	Each
15645.600401	Furnish and Install Standard Size Tourist Oriented Business Sign (4 panel)	Each
15645.601101	Furnish and Install Ramp Service Sign (1 panel)	Each
15645.601201	Furnish and Install Ramp Service Sign (2 panel)	Each
15645.601301	Furnish and Install Ramp Service Sign (3 panel)	Each
15645.601401	Furnish and Install Ramp Service Sign (4 panel)	Each
15645.602101	Furnish and Install Intermediate (1 panel) Size Tourist Oriented Business Directional Sign	Each
15645.602201	Furnish and Install Intermediate (2 panel) Size Tourist Oriented Business Directional Sign	Each
15645.602301	Furnish and Install Intermediate (3 panel) Size Tourist Oriented Business Directional Sign	Each
15645.602401	Furnish and Install Intermediate (4 panel) Size Tourist Oriented Business Directional Sign	Each

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
15645.603101	Furnish and Install Large Size (1 panel) Tourist Oriented Business Directional Sign	Each
15645.603201	Furnish and Install Large Size (2 panel) Tourist Oriented Business Directional Sign	Each
15645.603301	Furnish and Install Large Size (3 panel) Tourist Oriented Business Directional Sign	Each
15645.603401	Furnish and Install Large Size (4 panel) Tourist Oriented Business Directional Sign	Each
15645.604101	Furnish Standard Size Background Panel	Each
15645.604201	Furnish Standard Size Heading Panel	Each
15645.604301	Furnish Intermediate Size Background Panel	Each
15645.604401	Furnish Intermediate Size Heading Panel	Each
15645.604501	Furnish Large Size Background Panel	Each
15645.604601	Furnish Large Size Heading Panel	Each
15645.604701	Furnish Posts	Each

15645.61XX01 MOTORIST SERVICES SIGNS

Description. This work shall consist of furnishing and installing Motorist Services Signs and/or furnishing additional panels, posts and footings in accordance with the Contract Documents, Standard Sheets or as ordered by the Engineer.

Materials. Materials shall meet the requirements of Subsection 645-2 of the Standard Specifications except as modified by the Standard Sheets.

Construction Details. Construction Details shall meet the requirements of Subsection 645-3 of the Standard Specifications and the Standard Sheet for "Typical Guide Signs" except as modified by this Specification and the Standard Sheets for Motorist Services Signs. These signs are assembled using main and extension panels to which are attached business panels.

Panel Fabrication. Panels shall be fabricated as specified on the Standard Sheets. The type of panels fabricated shall be those needed to construct the sign as specified in the Contract Documents.

Assembly. The sign shall be assembled as specified on the Standard Sheets with the panel arrangement as specified in the Contract Documents.

Business Panels. Business panels will be installed by the State.

Furnishing Additional Main and Extension Panels. Additional main and extension panels shall be furnished as specified in the Contract Documents. They shall be suitably packaged to prevent damage and delivered to the place designated in the Contract Documents. Packages shall be clearly labeled as to contents.

Posts. Posts shall have breakaway bases except that those signs located behind guiderail shall not have breakaway bases. Posts, breakaway bases and footings shall be constructed and installed as specified on the Standard Sheet for "Typical Guide Signs".

Furnishing Additional Posts, Breakaway Bases and Footings. Additional posts, breakaway bases and footings shall be furnished as specified in the Contract Documents. The footing and lower portion of the breakaway base shall be installed at the location specified in the Contract Documents. Posts and the remaining portion of the breakaway base shall be marked as to post type, length and installation location and delivered to the place designated in the Contract Documents.

Method of Measurement. Motorist Services Signs shall be measured as the number of complete signs furnished and installed.

Additional sign panels shall be measured as the number of panels actually furnished.

Additional posts, breakaway bases and footings shall be measured as the number of posts and breakaway bases furnished with footings furnished and installed.

Basis of Payment. The unit price bid for each sign shall include the cost of all material, equipment and labor necessary to satisfactorily complete the work including posts, footings, and breakaway base assemblies.

The unit price bid for furnishing additional main and extension panels shall include the cost of all material, equipment, labor and delivery.

The unit price bid for furnishing additional posts, breakaway bases, and footings shall include the cost of all material, equipment, labor to complete the work including installation of the footing and delivery.

Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
15645.610101	Furnish and Install; Gas Motorist Services Single Exit Sign Assembly with Main Panel Only.	Each
15645.610201	Furnish and Install; Gas Motorist Services Single Exit Sign Assembly with Main and Extension Panels.	Each
15645.610301	Furnish and Install; Gas Motorist Services Closely-Spaced Exit Sign Assembly with One Main Panel Only	Each
15645.610401	Furnish and Install; Gas Motorist Services Closely-Spaced Exit Sign Assembly with Two Main Panels.	Each
15645.611101	Furnish and Install; Food, Lodging, Camping Motorist Services Single Exit Sign Assembly with Main Panel Only.	Each
15645.611201	Furnish and Install; Food, Lodging, Camping Motorist Services Single Exit Sign Assembly with Main and Extension Panels	Each

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
15645.611301	Furnish and Install; Food, Lodging, Camping Motorist Services Closely-Spaced Exit Sign Assembly with One Main Panel Only.	Each
15645.611401	Furnish and Install; Food, Lodging, Camping Motorist Services Closely-Spaced Exit Sign Assembly with Two Main Panels.	Each
15645.612101	Furnish Gas Main Panel Only.	Each
15645.612201	Furnish Gas Extension Panel Only.	Each
15645.612301	Furnish Food, Lodging, Camping Main Panel Only.	Each
15645.612401	Furnish Food, Lodging, Camping Extension Panel Only.	Each
15645.612501	Furnish Post, Breakaway Base, and Install Footing Only.	Each