1. These sign assemblies contain from one to four background panels and a heading panel as specified on the plans.
2. Background panels are arranged as specified on the plans.
3. Instructions for mounting different numbers of background panels are as follows:
   a. One panel - Mount at position 3 using horizontal bars to the posts as shown, mounting height as in note 6, heading panel as shown on the plans.
   b. Two panels - Mount at positions 1 and 2 using horizontal bars to the posts as shown, mounting height as in note 6, heading panel as shown on the plans.
   c. Three panels - Mount at positions 1, 2 and 3, mount panel 3 to the posts using horizontal bars. Attach to posts to the horizontal bars. Extension bars to the posts. Mount heading panel and panels 1 and 2 as in note 4.
   d. Four panels - Mount as shown with panels 1 and 4 to be attached to the posts and 1 and 3 attached to the horizontal bars.
4. Background panels may be added to or deleted from the sign assembly as required. Their positions and selections shall be in accordance with the configurations shown in note 3. Vertical bars for supporting panels 1 and 2 shall not be attached unless 3 or more panels are installed.
5. Posts shall be breakaway, except that those located beyond the deflection distance of any adjacent guide rail or any other sign or panel shall be breakaway, posts. They shall be based on a panel sign assembly. Panel sign sections and positions shall be as specified on the standard sheet or typical code sheet in current materials detail.
6. Sign mounting height:
   a. Height of 2 and 4 panels, signs shall be in accordance with standard sheet titles "positions of typical signs.
   b. Height of 1 and 3 panels, signs shall be 2'-0" higher for intermediate size signs and 2'-0" higher for large size signs than specified in "positions of typical signs.
   c. For any four panel, sign assemblies shall have a horizontal 2'-0" clearance between the sign and the closest part of the sign. One and three panel sign assemblies shall have a minimum 3'-0" clearance of 2'-0" for intermediate size signs, and 3'-0" clearance of 3'-0" for large size signs. These are in addition to the slope of the sign and distance above the pavement which may impact 2'-0" due to shadowing of the sign. Clearances may be adjusted at discretion of the engineer.
7. See lateral placements:
   a. Where feasible, the rear edge of the sign shall be in accordance with standard sheet titles "positions of typical signs.
   b. In urban districts where there are cars and sidewalks, the distance from the face of the curb may be reduced to 5'-0".
   c. These signs are installed in a series, they shall be installed at the same lateral clearance where feasible.
   d. Sign panel dimensions up to 2'-0" larger than shown on this drawing are also acceptable.
8. Horizontal 2 bars shall be installed as shown.
NOTE:

1. This standard sheet contains panel fabrication details for tourist oriented business signs. The panels required will be specified in the plans.

2. Business Panels:
   a. Business panels will be furnished to the department by the business concerned.
   b. The department will supply the panels to the contractor for installation. In the event a panel is not available for installation, the contractor shall cover the background panel with opaque material.
   c. The contractor shall align the panels for delivery of the business panels to the contractor to meet the contract schedule.

3. Background and Heading Panels:
   a. Panels shall be fully reflective. Reflective sheeting for background and characters shall be Type 3 Class "A" as specified in TxDOT-03.
   b. On directional mounting panels, the business panel shall be extended either on the left or the right to show the appropriate directional arrow.
   c. The directional panel as shown contains two arrowheads. The arrowheads will be applied to the background panel to cover the unused arrowhead. The contractor may also elect to replace the panel with only one arrowhead or use the detachable arrow.
   d. Arrow heads may be either directly applied reflective sheeting, painted on reflective panels.
   e. Mileage numerals may be either directly applied reflective meeting the U.S. standards.

4. Sign panel dimensions up to 2" larger than shown on this drawing are also acceptable.

5. Panels should be fabricated in accordance with 645-02.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
U.S. CUSTOMARY STANDARD SHEET
TOURIST ORIENTED BUSINESS SIGNS
(SHEET 2 OF 2)

APPROVED OCTOBER 05, 2009
TO THE DEPUTY CHIEF ENGINEER
(DESIGN) /S/ RICHARD W. LEE, P.E.

EFFECTIVE DATE: 01/07/10
FOR THE DEPUTY CHIEF ENGINEER

645-06