LIFTING DIAGRAM

GENERAL NOTES:

LOADING:

WIND LOADING:
100 mph (3-second gust)

Normal to face of sign 40 psi on 100%
panel coverage.

Transverse to face of sign 20% of normal force.

WALKWAY LOADING:
Dead load 4500 LBS concentrated live load.

UNIT STRESSES:

MINIMUM CLEARANCE
Vertical roadway clearance 18'-0" above
roadway and shoulders

FOOTING SOIL PRESSURE:
REINFORCED CONCRETE
STRUCTURAL STEEL:

2.50 ksf (spread footing)

WELDING:
All welding continuous unless otherwise noted on the
plane.

NOTES:

1. Drill and tap for 2½" recessed pipe plug,
See Standard Plan ES-15C.

2. For location and elevation of sign structure see Project Plans.

3. Sign support post shall be raked out of plumb with leveling
nutes to make the bottom of the sign frame level.

4. At final position of post, top and bottom nuts shall be
tightened against base plate.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
OVERHEAD SIGN-TRUSS
SINGLE POST TYPE LAYOUT
UNBALANCED BUTTERFLY
CHANGEABLE MESSAGE SIGNS
MODEL 500
NO SCALE

S101