OVERHEAD SIGN-TRUSS
SINGLE POST TYPE LAYOUT
UNBALANCED BUTTERFLY
CHANGEABLE MESSAGE SIGNS
MODEL 500

LOADING:

WIND LOADING:
- Normal to face of sign: 40 psf on 100% panel coverage.
- Transverse to face of sign: 20% of normal force.

WALKWAY LOADING:
- Dead load + 500 LBS concentrated live load.

UNIT STRESSES:
- Structural Steel:
  - fy = 36000 psi
  - fy = 60000 psi
- Reinforced Concrete:
  - f'c = 3600 psi
- Footing Soil Pressure:
  - 2.50 ksf (spread footing)

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

LIFTING DIAMON:
- All welding continuous unless otherwise noted on the plans.

NOTES:
2. For location and elevation of sign structure see Project Plans.
3. Sign support post shall be raked out of plumb with leveling nuts 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

May 20, 2011

Registered Civil Engineer
C57793
3-31-12

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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN-TRUSS
SINGLE POST TYPE LAYOUT
UNBALANCED BUTTERFLY
CHANGEABLE MESSAGE SIGNS
MODEL 500
NO SCALE

2010 STANDARD PLAN S101