MONOTUBE SIGN BRIDGE

PLAN

SAFETY CABLE AND INTERMEDIATE SUPPORT ARE OPTIONAL IN THIS ZONE

INTERMEDIATE SUPPORT FOR WIRE ROPE (TYP.) (SEE NOTE 3)

1/8" (IN) DIAM WIRE ROPE (SEE NOTE 4)

RAILING

ENTRANCE TO WALKWAY (SWING GATE INSIDE ONLY)

SEE CONTRACT FOR VMS DIMENSIONS

WALKWAY IN THIS ZONE IS REQUIRED FOR VARIABLE MESSAGE SIGN WITH DOORS ON EACH END

WALK-IN CABINET TYPE VMS

TOP OF VARIABLE MESSAGE SIGN

NOTE 1


NOTE 2

2. For maintenance walkway, railing, grating, and toe plate details, see Standard Plan G-95.10

NOTE 3

3. Use two lanyards through intermediate wire rope support.

NOTE 4

4. 3/8" (in) diameter wire rope with 14 kips min. breaking strength. The wire rope shall be installed with 450 lbs. of tension, and with 6" (in) of take up adjustment available in the turnbuckle.

NOTE 5

5. Handrail fit-up with VMS door opening is the responsibility of the contractor.

NOTES

WIRE ROPE

ASTM A 620 W CLASS A WEIGHT ZINC COATED WIRES THROUGHOUT

SCREW:

All allowable alternate materials, federal standard MW-410F type 6 class 3 galvanized.

STEEL GRATING

ASTM A 36 or ASTM A 500 grade B, type E or S, ASTM A 36 or ASTM A 53 grade B

PLATES AND SHAPES

ASTM A 36

STRUCTURAL TUBING

ASTM A 500 GRADE B

MATERIAL SPECIFICATIONS

PIECE

ASTM A 36 OR ASTM A 53 GRADE B, TYPE E OR S, OR ASTM A 563 GRADE B

PLATES AND SHAPES

ASTM A 36

STRUCTURAL TUBING

ASTM A 500 GRADE B

GALVANIZING FOR PIPE, PLATES, SHAPES AND STEEL GRATING

AASHTO M 111

HIGH STRENGTH BOLTS, NUTS, & WASHERS; INCL. MOUNTING BEAM BOLTS

STD SPEC. G-06.5(3)

ALL OTHER BOLTS

STD SPEC. G-06.5(1)

FASTENER GALVANIZING

ASTM F2309

STEEL GRATING

ASTM A 36

WIRE ROPE

ASTM A 36

PLATES AND SHAPES

ASTM A 500 GRADE B

WIRE ROPE

ASTM A 603 W/ CLASS A

MOUNTING BEAM BOLTS, NUTS, & WASHERS; INCL. HIGH STRENGTH BOLTS,

GRADE B, TYPE E OR S,

ASTM A 36 OR ASTM A 53

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