

TYPICAL MAST ARM

**ASSEMBLY** 

on bottom of drilled hole

if material is firm enough

to do so when concrete i

placed.

**ELEVATION** 

FOUNDATION DETAILS

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pole is plumbed and in permanent

alignment, the exposed threads of

painted bolts shall be cleaned and

an additional coating of zinc-rich

paint applied to seal the bolt

thread-nut joint.

FOUNDATION SUMMARY TABLE AVG. N BLOW DRILLED SHAFT LENGTH LOCATION FDN (FFFT) IDENTIFICATION TYPE EΑ /ft. 24-A 30-A 36-A 36-B 42-A MIDWAY ROAD AT BELT LINE 14 14 T-3 14 T-4 14 QUORUM DRIVE AT BELT LINE T-5 14 T-6 14 T-7 14 T-8 14 TOTAL DRILLED SHAFT LENGTHS 112

## GENERAL NOTES

Design conforms to 1994 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals and interim revisions thereto. Reinforcing steel shall conform to Item 440. Concrete shall be Class A or C.

Threads for anchor bolts and nuts shall be rolled or cut threads of unified national coarse thread series except for A193B7 bolts which

shall have 8 pitch thread series. Bolts and nuts shall have Class 2A and 2B fit tolerances. Galvanized nuts shall be tapped after galvanizing.

Anchor bolts that are 1" in diameter or less

shall conform to ASTM A36. Anchor bolts larger than 1" in diameter shall conform to A36M55 in accordance with the Item, "Anchor Bolts" or ASTM A193B7 or A687. Galvanize or coat with zinc—rich paint a minimum of the upper 14 inches of all anchor bolts unless otherwise noted. Exposed nuts shall be galvanized or coated with zinc-rich paint. Washers shall be galvanized. Templates and embeded nuts need not be galvanized.

FOR MODIFICATION ONLY

Texas Department of Transportation Traffic Operations Division

TRAFFIC SIGNAL POLE FOUNDATION

TS-FD-96 (MOD)

TS-FD.DGN	DN: MS DIST FED REG		ck: JSY	DW: MAO/MMF CK:			JSY/TEB	١.
AUGUST, 1995			FEDERAL AID PROJECT NO.				SHEET	
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