CONCRETE SHALL CONFORM TO THE REQUIREMENTS FOR STRUCTURAL CONCRETE FOR MINOR CONCRETE STRUCTURES.

CONCRETE SHALL HAVE A MINIMUM 28 DAY DESIGN STRENGTH OF 4500 PSI (PRECAST STRUCTURE).

EXCAVATION FOR THE STRUCTURE SHALL BE TO A PLANE 3' BELOW GRADE WITH THE LAST 3' ENHANCED BY HAND AND COMPACTION TO 95% PROCTOR DENSITY. SAND AS REQUIRED, SHALL BE PLACED ON THE COMPACTED SOIL, COMPACTED AND SCREDDED TO GRADE.

STRUCTURE SHALL NOT BE PLACED ON ALLUVIAL SOIL, UNDRAINED QUICK SAND, SOFT OR WET CLAY OR WET SAND AND CLAY MIXED.

ELASTOMERIC BRIDGE PAD SHALL BE ALL ELASTOMETER (NOT LAMINATED), HAVE A DURAMETER HARDNESS OF 80 AND WITH A THICKNESS TOLERANCE OF ±0.125", ±0.005". PADS FOR A SINGLE INSTALLATION SHALL BE OF UNIFORM THICKNESS WITHIN A TOLERANCE OF ±0.031". PADS SHALL BE FASTENED TO THE STEEL PLATE WITH AN APPROVED NON-WATER SOLUBLE EPoxy.

THREADED ROD, BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM A36 OR A507 AND BE GALV. OR Z/P IN ACCORDANCE WITH ASTM A153 OR B685.

STEEL BARS, PLATES, ANGLES AND BEAMS SHALL CONFORM TO ASTM A36 EXCEPT STEEL RAIL, MAY BE ASTM A36 OR ASTM/ST70M GRADE 36, AND BENT TOP CAP ASTM A36 OR A500/569M COMMERCIAL QUALITY.

STEEL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

REINFORCING STEEL SHALL CONFORM TO ASTM A615 60,000 PSI GRADE 80, EXCEPT #3 BAR WHICH IS GRADE 40.

REINFORCING WIRE (WELDED WIRE FABRIC) SHALL CONFORM TO ASTM A185.

DESIGN LIVE LOAD H-20 TRUCK LOADING (AASHTO)

APPROVED ALTERNATE FOR A.D.O.T. STANDARD DRAWING C-11.12, C-11.120 RESPECTIVELY & ALL ASSOCIATED SPECIFICATIONS.

ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF A.D.O.T. PAINT NUMBER 1, NOT LESS THAN 2 MILS, DRY.