



GENERAL NOTES

EXISTING STRUCTURE: The existing steel structure shall be replaced. The existing foundations are intended for reuse. The top portions of the existing anchor rods shall not be reused. New anchor rods shall be coupled onto existing anchor rods. It shall be the Contractor's responsibility to verify all dimensions and conditions existing in the field prior to construction and ordering materials.

DESIGN: Current (at time of letting) AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (Fatigue Category II - natural wind gust only). The Contractor will submit detailed shop drawings from the manufacturer showing design materials, diameter and thickness of sections, camber, weld sizes, sign panel mounting hardware, anchor rods, etc., for structural review by the I.D.O.T. Bureau of Bridges & Structures.

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Recurring Special Provisions. ("Standard Specifications") All references to "Mast Arm Assembly and Pole" are applicable, unless otherwise noted.

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code and the Standard Specifications.

ANCHOR RODS: Shall conform to ASTM F1554 Grade 105. No welding shall be permitted on rods.

FASTENERS: All connection bolts shall be High Strength Bolts M164, Galvanize M232 (A153), Type 3, or stainless steel heavy hex conforming to ASTM A193, Grade B8 or B8M, Class 1. U-bolts shall be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished, or an equivalent material acceptable to the Engineer. Nuts for stainless steel bolts shall be stainless steel conforming to ASTM A194, Grade 8 (AISI Type 304) or Grade 8F (AISI Type 303). All nuts shall be "locknuts" with nylon or steel inserts and semifinished hexagonal heads equivalent to the finished heavy hex series of the American National Standard. Washers for stainless steel bolts shall be stainless steel conforming to ASTM A240, Type 302 or 304.

CAMBER: Minimum AASHTO camber = $L / 1000 + \text{dead load camber}$.

ELEVATION LOOKING NORTH NORTHWEST

SIGN STRUCTURE DATA TABLE

Structure Number	Location	Station	℄ to ℄ Poles	Elevation A	Dimension D	Actual Sign Area	Left Foundation					Right Foundation					Class SI Concrete (Cu. Yds.)
							Elevation Top	Elev. Bottom	A	B	F	Elevation Top	Elev. Bottom	A	B	F	
IM045503IL000.0-000	1	NA	66'-9 3/4"	715.11	3'-9 3/8"	61 sq. ft.	716.04	NA	NA	NA	NA	715.07	NA	NA	NA	NA	NA

H:\Jobs\2011\201302-44\CAD\Site\dgn\00\046291-s20monotube-notes.dgn 8/1/2013 3:57:09 PM