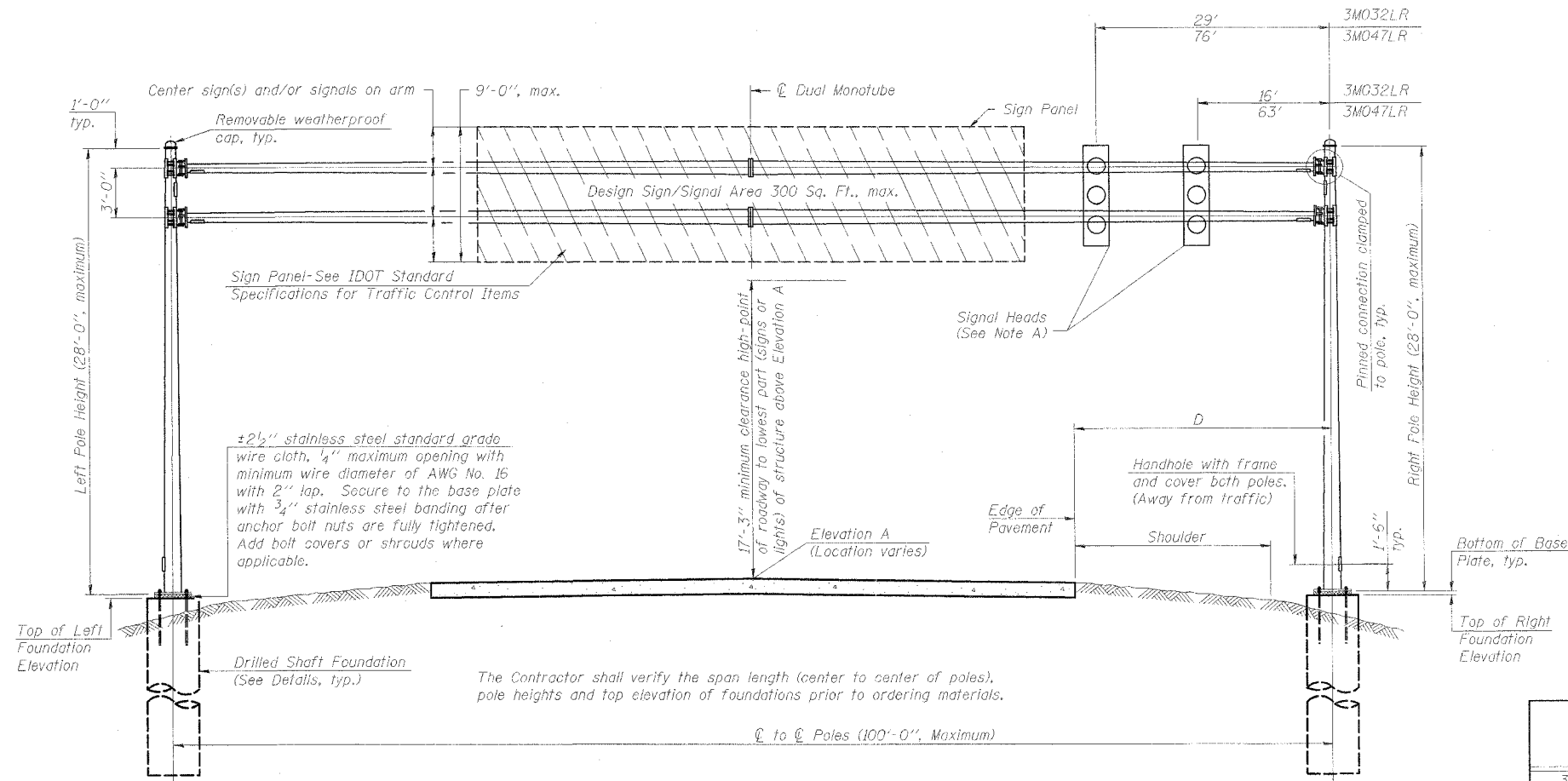


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	132, 47-41K	KENDALL/GRUNDY	243	165
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 66294				



GENERAL NOTES

DESIGN: Current (at time of letting) AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

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 meet Charpy V-notch (CVN) energy of 15 ft-lb at 40° F. 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.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

Structure Number	Left Pole Height	Right Pole Height
3M0321080R121.7	25.25'	24.90'
3M0321080L121.7	25.16'	23.61'

ELEVATION
Looking at face of signs.
Looking upstation for structures with signs both sides.

SIGN STRUCTURE DATA TABLE

Structure Number	Station	℄ to ℄ Poles	Elevation A	Dimension D	Actual Sign/Signal Area	Left Foundation			Right Foundation			Class SI Concrete (Cu. Yds.)				
						Elevation Top	Elev. Bottom	A	B	F	Elevation Top		Elev. Bottom	A	B	F
3M0321080R121.7	1008+30.00	88'	594.42	9'	135 Sq Ft	594.17	580.17	1'	14'	15'	594.52	580.53	1'	14'	15'	7.9
3M0321080L121.7	1013+75.00	98'	603.21	10.15' LT 13' RT	134 Sq Ft	603.05	599.05	1'	14'	15'	604.60	590.60	1.5'	14'	15.5'	8.0

Note A:

The dual monotubes shall be provided with two additional vertical sign brackets to be used for the installation of the signal heads to the monotube structure. The location of these two brackets is approximately shown. The exact location to be verified by the contractor before placement of brackets. Any and all mounting hardware required to install the signal heads on the sign structure shall be incidental to this pay item.

NUMBER	REVISION	DATE

BILL OF MATERIAL

ITEM	UNIT	TOTAL
DUAL MONOTUBE OVERHEAD SIGN STRUCTURE SPAN	Foot	186
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	15.9

DUAL MONOTUBE SIGN STRUCTURE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 80 (I-80 AT MINOOKA INTERCHANGE)

SCALE: NONE
DATE: 2/10/06

DRAWN BY: NJS
CHECKED BY: JJC

DUAL TUBE - 1 1-21-05

PATRICK
ENGINEERING INC.
LISLE, ILLINOIS