New Jersey Turnpike Authority

P.O. Box 5042, Woodbridge, NJ 07095



December 12, 2022

Document Change Announcement

2016 Standard Supplementary Specifications Vierendeel Sign Structure Details DCA2022SD-04

Subject: Revisions to

Drawing SI-29 Vierendeel Span Type Sign Structure (Spans From 60 To 90 Feet) Sections And Details - 1 Drawing SI-37 Vierendeel Cantilever Type Sign Structure (Spans From 20 To 42 Feet) Details - 2

Description of Change:

This DCA provides additional bolt edge distance at the sides of a vierendeel span type sign structure tubular member to accommodate a larger fabricated corner radius on Standard Drawing SI-29, and corrects a discrepancy in the dimensional call-out within the elevation view for the fabricated chord sleeve details on Standard Drawing SI-37.

Notice to New Jersey Turnpike Authority Staff and Design Consultants

Effective immediately, all contracts currently in the design phase shall incorporate the revisions herein. For advertised contracts awaiting the opening of bids this revision shall be incorporated via addendum. Contact your New Jersey Turnpike Authority Project Manager for instruction.

The revisions may be accessed on the Authority's webpage: https://www.njta.com/doing-business/professional-services

Recommended By:

Lamis T. Malak, P.E.

Deputy Chief Engineer - Design

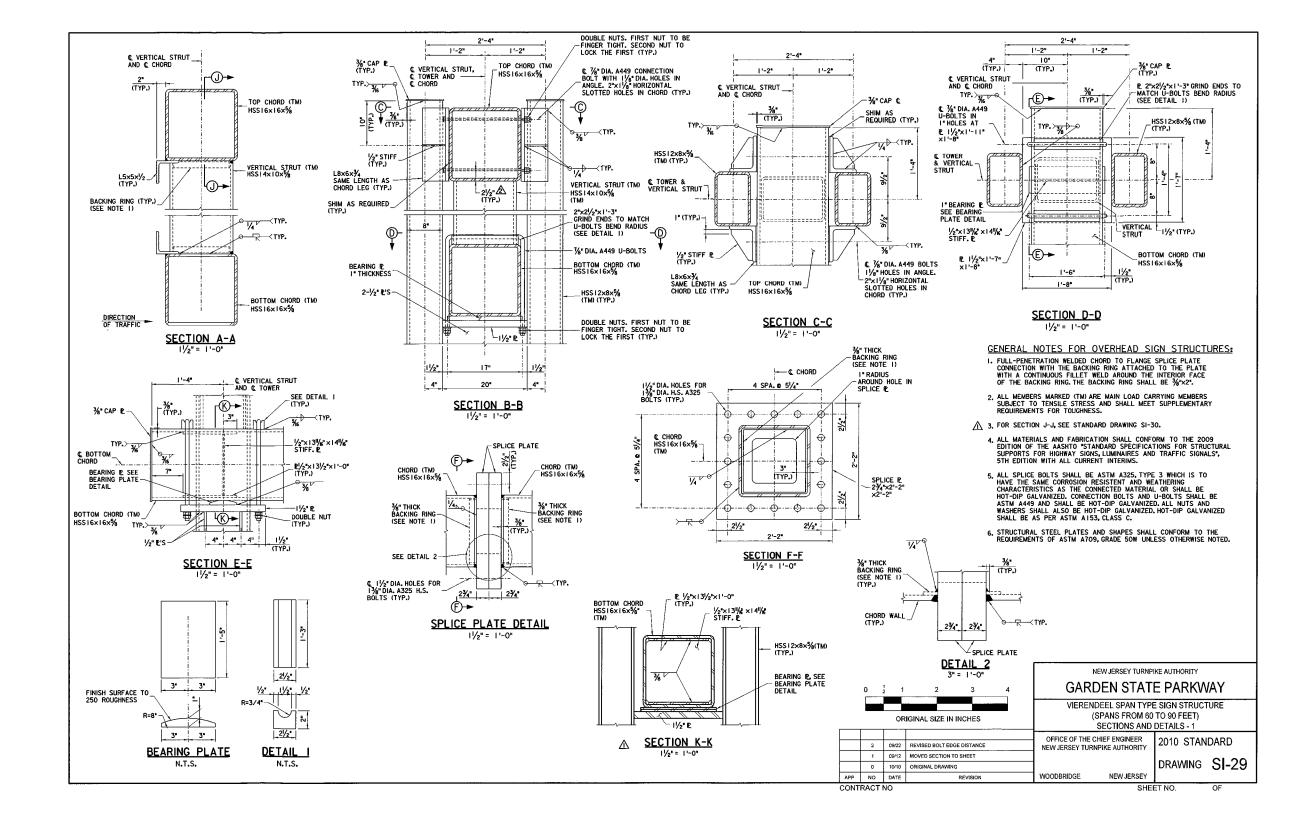
Daniel L. Hesslein, P.E

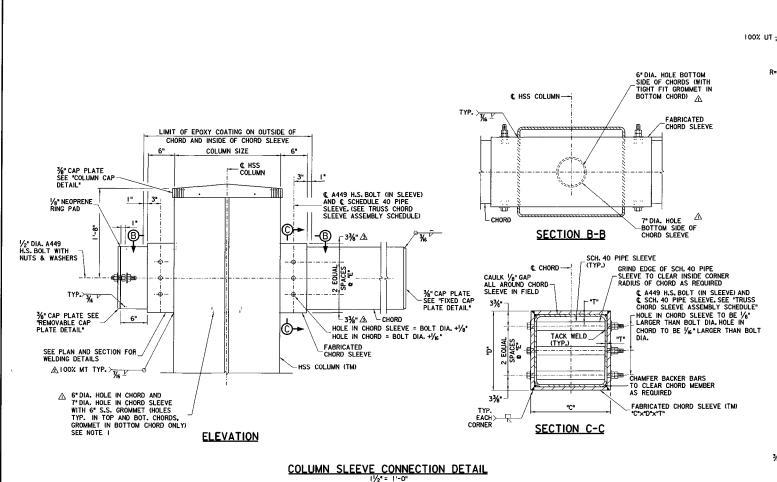
Deputy Chief Engineer - Construction

Approved By:

Michael Garofalo, P.E.

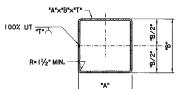
Chief Engineer

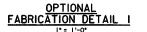


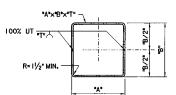


TRUSS CHORD SLEEVE ASSEMBLY SCHEDULE									
SPAN	*MAX. PROVISIONAL SIGN PANEL AREA	CHORD SIZE (IN) HSS"A"x"B"x"T"	CHORD SLEEVE SIZE "C"x"D"x"T" (IN)	"E" (IN)	BOLT DIAMETER (IN)	SCH. 40 PIPE			
LENGTH (FT)						SLEEVE DIA.			
20 ≤ T0 ≤ 32	300	14×14×1/2	15¾×15¾×¾	41/2	ι½	11/4			
20 ≤ TO ≤ 32	540	14×14×1/2	15¾×15¾×¾	41/2	11/6	11/4			
< 32 TO <u><</u> 38	445	14×14×5%	15¾×15¾×¾	41/2	11/4	11/4			
< 32 TO ≤ 38	648	14×14×%	16×16×7/8	45%	13/4	11/2			
< 38 TO 42 MAX.	445	16×16×%	17¾×17¾×¾	51/2	13/8	11/2			

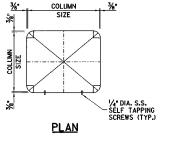
• FOR PROVISIONAL SIGN AREA LIMITATIONS SEE STANDARD DRAWING SI-35.

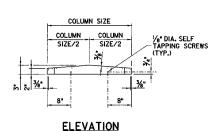




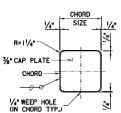


OPTIONAL FABRICATION DETAIL 2 1" = 1'-0"

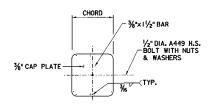




COLUMN CAP DETAIL



END VIEW FIXED CAP PLATE DETAIL



END VIEW REMOVABLE CAP PLATE DETAIL

NOTES:

⚠ I. S.S. GROMMET SHALL BE McMASTER-CARR ITEM NO. 4911K12, OR APPROVED EQUAL.



		OR	IGINAL SIZE IN INCHES	Ī
	3	06/22	REVISED FABRICATED CHORD SLEEVE DIMENSIONS	OFFICE OF TH
	2	08/15	REVISED WELD TESTING	NEW JERSEY T
	1	09/12	ADDED ELECTRICAL PROVISIONS	1
	0	10/10	ORIGINAL DRAWING	Ī
APP	МО	DATE	REVISION	WOODBRIDGE

NEW JERSEY TURNPIKE AUTHORITY GARDEN STATE PARKWAY

VIERENDEEL CANTILEVER TYPE SIGN STRUCTURE (SPANS FROM 20 TO 42 FEET) DETAIL\$ - 2

OFFICE OF THE CHIEF ENGINEER NEW JERSEY TURNPIKE AUTHORITY

2010 STANDARD

NEW JERSEY

CONTRACT NO