

Sign Bridge  
New Jersey Turnpike Authority  
Sign Structure Inspection  
A Frame Vierendeel Overhead: VMS / Hybrid

Milepost: \_\_\_\_\_

Span Length: \_\_\_\_\_

Truss Sections: \_\_\_\_\_

VMS: \_\_\_\_\_ VSLs: \_\_\_\_\_

Changeable Message Signs: \_\_\_\_\_

Inspected by: \_\_\_\_\_

Date Inspected: \_\_\_\_\_

High Pier Mounted: \_\_\_\_\_

Ground Mounted: \_\_\_\_\_

Erected Under Contract: \_\_\_\_\_

Weather: \_\_\_\_\_

Temperature: \_\_\_\_\_

MPT: \_\_\_\_\_



**LEGEND:** OK No deficiencies noted. N/A Not Applicable  
X See Note for defects. N/V Not Visible

**FOUNDATIONS** \_\_\_\_\_ **Pedestal**

Inspection Year			Note(s)
North Face			
South Face			
East Face			
West Face			
Top Surface			
Concrete Column Pad			
Surface Column Pad			

**END FRAMES** \_\_\_\_\_ **“A” End Frame**

Inspection Year			Note(s)
Anchor Bolts / Nuts / Washers			
Base Plate (Welding)			
Varmint Screen			
Columns (Welding)			
Deck Plates (Rim / Cover / Tether)			
Framing (Diagonals / Struts)			
Bearing Plates / Pads / Pins / Speed Clips			
Added Bolted Connection Assembly			
Pedestal Ladder Rungs			

**FOUNDATIONS** \_\_\_\_\_ **Pedestal**

Inspection Year			Note(s)
North Face			
South Face			
East Face			
West Face			
Top Surface			
Concrete Column Pad			
Surface Column Pad			

**END FRAMES** \_\_\_\_\_ **“A” End Frame**

Inspection Year			Note(s)
Anchor Bolts / Nuts / Washers			
Base Plate (Welding)			
Varmint Screen			
Columns (Welding)			
Deck Plates (Rim / Cover / Tether)			
Framing (Diagonals / Struts)			
Bearing Plates / Pads / Pins / Speed Clips			
Added Bolted Connection Assembly			
Pedestal Ladder Rungs			

Milepost: \_\_\_\_\_

Sign Structure Purpose: \_\_\_\_\_

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**LEGEND:** OK No deficiencies noted. N/A Not Applicable

X See Note for defects.

N/V Not Visible

\* Ladder can be used for over top chord inspection and  
must be replaced flat on floor grating behind sign.**SIGN TRUSS (Double Plane Through Truss / Enclosure)**

#: \_\_\_\_\_ Splice Flanges (type): \_\_\_\_\_ Size: \_\_\_\_\_ Number of Bolts: \_\_\_\_\_

Inspection Year			Note(s)
<b>Top Front Chord / Splice Bolts</b>			
Deck Plate(s) _____ (Rim / Cover / Tether)			
<b>(F) Vertical Posts (Welding)</b>			
Front Face Screening			
Lugs _____ Frame _____			
Screen Attachment Bolts / Splices			
<b>Bottom Front Chord / Splice Bolts</b>			
Deck Plate(s) _____ (Rim / Cover / Tether)			
<b>Lower Plane Struts (Welding)</b>			
Rectilinear Grating Walkway			
Grating Clips / Bolts			
Porch Area Railings / Gate			
Access Ladder / Attachments			
Safety Climb			
Security Cover / Door (Hinges / Hasp)			
Security Lock			
Material Handling Pulley			

**SIGNS, ATTACHMENTS, DETECTION EQUIPMENT**

Inspection Year			Note(s)
Rear Panels Secured VMS, VSLS			
LED Modules Intact			
Control Panel(s) / Conduits			
CCTV _____ Mounting / Wiring			
Antenna _____ Mounting / Wiring			
Traffic Detector _____ Mounting			
Embedded (Puck) Sensors			

Additional Notes: Next Sheet

Priority Repairs: No \_\_\_\_\_

Inspection Year			Note(s)
<b>Top Rear Chord / Splice Bolts</b>			
Deck Plate(s) _____ (Rim / Cover / Tether)			
<b>(R) Vertical Posts (Welding)</b>			
Rear Face Screening			
Lugs _____ Frame _____			
Screen Attachment Bolts			
<b>Bottom Rear Chord / Splice Bolts</b>			
Deck Plate(s) _____ (Rim / Cover / Tether)			
<b>Upper Plane Struts (Welding)</b>			
Access Door (Hinge / Latch)			
Escape Hatch (Spring Latches)			
Escape Landing Grating			
Pedestrian Pipe Railing			
8' Folding Step Ladder *			

**GROUND PAD \_\_\_\_\_, MEDIAN MOUNT \_\_\_\_\_, EQUIPMENT \_\_\_\_\_, Patio \_\_\_\_\_**

Transformer			
Computer Interface Cabinet			
ITSS Sign Control Panel / Enclosure			
ITSS Service Disconnect / Enclosure			
Conduits			
Groundings / Ground Rod			
Truss / End Frame Bonding			
Power Type 'C' Junction Box			
Control Type 'C' Junction Box			
Enclosure Fence / Railings / Gate			
Bollards			
Grating (Platform) Railings / Stairs			
Guiderail / Attenuators			

# KEY TO "A" FRAME VIERENDEEL OVERHEAD SIGN STRUCTURE: VMS / HYBRID

Sign Bridge

New Jersey Turnpike Authority

Sign Structure Inspection

A Frame Vierendeel Overhead: VMS / Hybrid

Milepost: 95.13 NSO

Sign Structure Purpose: VMS, VSLS, CCTV, Traffic Detector

Span Length: 80'

Truss Sections: One

VMS: One VSLS: One

Changeable Message Signs: None

**Structure location  
and Information**

"Page One"  
Sheet 1 of

Inspected by: J. Paul / R. Baliga

Date Inspected: 07/31/25

High Pier Mounted: No

Ground Mounted: Yes

Erected Under Contract: T600.102B

Weather: Sunny, Warm

Temperature: 75° F

MPT: Short Duration Right Shoulder Closing

**Front Elevation Photo**

(Show Front Elevation including Far Foundation (Left)  
and near Foundation (Right)  
without equipment in photo)

**LEGEND:** OK No deficiencies noted.  
X See Note for defects.

N/A Not Applicable  
N/V Not Visible

**Foundation  
Information  
(In Traffic Direction)**

**FOUNDATIONS**

Left / West

Pedestal

Inspection Year	2025	Note(s)
North Face	OK	
South Face	OK	
East Face	OK	
West Face	OK	
Top Surface	OK	
Concrete Column Pad	OK	
Surface Column Pad	OK	

**FOUNDATIONS**

Right / East

Pedestal

Inspection Year	2025	Note(s)
North Face	OK	
South Face	OK	
East Face	OK	
West Face	OK	
Top Surface	OK	
Concrete Column Pad	OK	
Surface Column Pad	OK	

**END FRAMES**

Left / West

"A" End Frame

Inspection Year	2025	Note(s)
Anchor Bolts / Nuts / Washers	OK	
Base Plate (Welding)	OK	
Varmint Screen	OK	
Columns (Welding)	OK	
Deck Plates (Rim / Cover / Tether)	X	NE Column North Plate Tether
Framing (Diagonals / Struts)	OK	
Bearing Plates / Pads / Pins / Speed Clips	OK	(No slotted Hole Washers)
Added Bolted Connection Assembly	N/A	
Pedestal Ladder Rungs	N/A	None Used: Median Wall

**END FRAMES**

Right / East

"A" End Frame

Inspection Year	2025	Note(s)
Anchor Bolts / Nuts / Washers	OK	
Base Plate (Welding)	OK	
Varmint Screen	X	Missing at NE Baseplate
Columns (Welding)	OK	
Deck Plates (Rim / Cover / Tether)	OK	
Framing (Diagonals / Struts)	OK	
Bearing Plates / Pads / Pins / Speed Clips	OK	(No Slotted Hole Washers)
Added Bolted Connection Assembly	OK	
Pedestal Ladder Rungs	OK	

**Previous or First Cycle**

**This Cycle**

**Deficiency Notes or Information**

Milepost 95.13Sign Structure Purpose: VMS, VSLS, CCTV, Traffic Detectors

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Sheet 2 of \_\_\_\_

**LEGEND:** OK No deficiencies noted. N/A Not Applicable

X See Note for defects.

N/V Not Visible

\* Ladder can be used for overtop chord inspection and must be replaced flat on floor grating behind sign.

SIGN TRUSS (Double Plane Through Truss/Enclosure)

#: 1 (one) Splice Flanges (type):Welded

Size:

Number of Bolts:

Inspection Year	2025	Note(s)
Top Front Chord / Splice Bolts	OK	(Via Step Ladder)
Deck Plate(s) <u>2</u> (Rim / Cover / Tether)	OK	
(F) Vertical Posts (Welding)	OK	
Front Face Screening	OK	
Lugs <input checked="" type="checkbox"/> Frame _____	OK	
Screen Attachment Bolts / Splices	OK	
Bottom Front Chord / Splice Bolts	OK	(Via Span and Binoculars)
Deck Plate(s) <u>2</u> (Rim / Cover / Tether)	OK	
Lower Plane Struts (Welding)	OK	
Rectilinear Grating Walkway	OK	
Grating Clips / Bolts	X	Two clips missing: West End
Porch Area Railings / Gate	OK	
Access Ladder / Attachments	OK	
Safety Climb	OK	Ladder Centerline
Security Cover / Door (Hinges / Hasp)	OK	
Security Lock	OK	Combo Padlock
Material Handling Pulley	OK	

Condition of  
Each Element  
of Truss

## SIGNS, ATTACHMENTS, DETECTION EQUIPMENT

Inspection Year	2025	Note(s)
Rear Panels Secured VMS, VSLS	OK	
LED Modules Intact	X	Top west: Scrambled
Control Panel(s) / Conduits	OK	
CCTV _____ Mounting / Wiring	OK	(West Median End)
Antenna _____ Mounting / Wiring	OK	(East Shoulder End)
Traffic Detector _____ Mounting	OK	Top Rear Chord
Embedded (Puck) Sensors	OK	(Nine S) 3 Per Lane

Additional Notes: Next Sheet

Priority Repairs: No

Inspection Year	2025	Note(s)
Top Rear Chord / Splice Bolts	OK	(Via Step Ladder)
Deck Plate(s) _____ (Rim / Cover / Tether)	OK	
(R) Vertical Posts (Welding)	OK	
Rear Face Screening	OK	
Lugs <input checked="" type="checkbox"/> Frame _____	OK	
Screen Attachment Bolts	OK	
Bottom Rear Chord / Splice Bolts	OK	
Deck Plate(s) <u>2</u> (Rim / Cover / Tether)	OK	Nearly Seized
Upper Plane Struts (Welding)	OK	
Access Door (Hinge / Latch)	OK	
Escape Hatch (Spring Latches)	OK	
Escape Landing Grating	OK	
Pedestrian Pipe Railing	OK	
8' Folding Step Ladder *	OK	

GROUND PAD R/E, MEDIAN MOUNT L/W, EQUIPMENT R/E, Patio N/A

Transformer	OK	
Computer Interface Cabinet	OK	
ITSS Sign Control Panel / Enclosure	OK	
ITSS Service Disconnect / Enclosure	X	Not Locked
Conduits	OK	
Groundings / Ground Rod	OK	
Truss / End Frame Bonding	OK	
Power Type 'C' Junction Box	OK	(One Each End Frame)
Control Type 'C' Junction Box	X	3" Water in base
Enclosure Fence / Railings / Gate	OK	
Bollards	N/A	(Three at East Limit)
Grating (Platform) Railings / Stairs	OK	
Guardrail / Attenuators / Median (L / W)	OK	(FLEAT 350, 150" Guide rail @ E)

Condition  
Of  
ITSS  
Equipment