

Attachment 2025-1.0: Highway Minimum Vertical Clearance Measurements / Updates to LIDAR

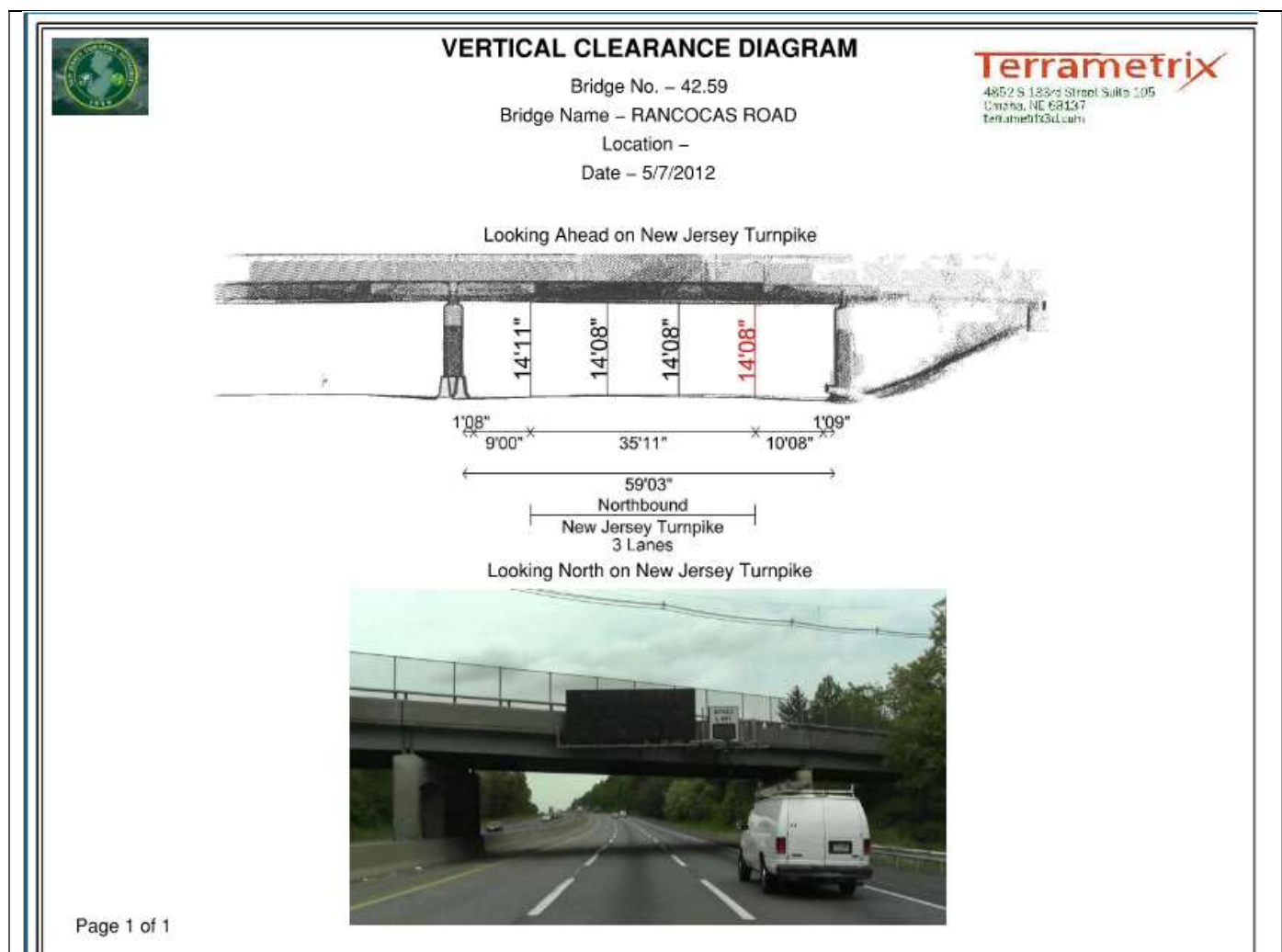
This directive has been published to advise consultants of changes to the coding for Minimum Vertical Clearance (previous Item 54 for roadways beneath the bridge) now included in SNBI Item ID B.H.13: Highway Minimum Vertical Clearance.

Per the definition in the Specifications for the National Bridge Inventory (SNBI) Consultants shall report the minimum vertical clearance measured over the highway feature reported in Item B.F.01 (Feature Type), rounded down to the nearest tenth of a foot.

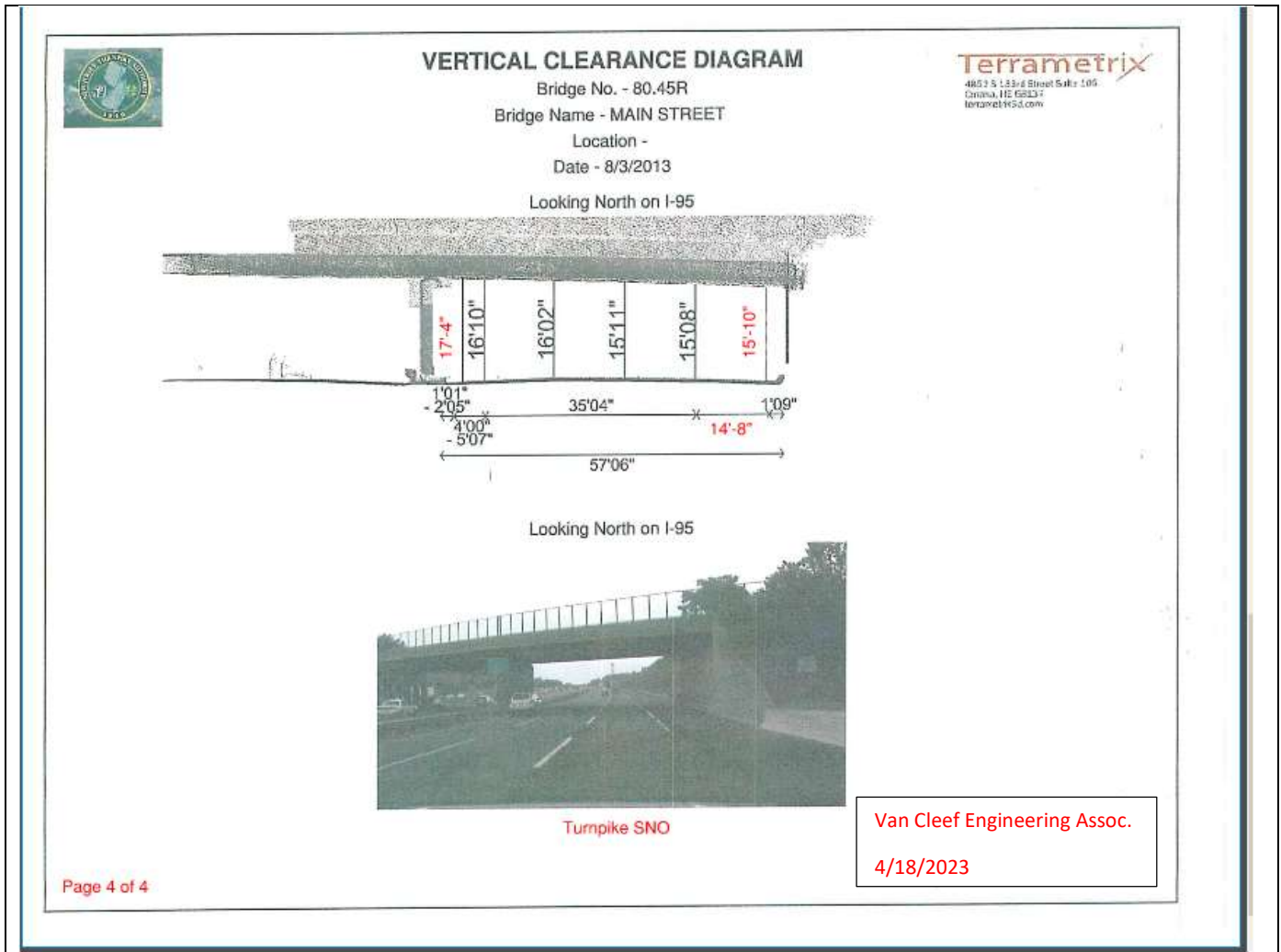
The changes including measuring the vertical clearance plumb from the deck or highway surface **(including paved or stabilized shoulders)** to the **lowest bridge member restriction, appurtenance (signs, utilities, etc.) attached to the bridge**, or other structure.

Where existing LIDAR sketches do not show the vertical clearance measurement at the edge of pavement (shoulder), the Consultant shall take this measurement and include on the LIDAR sketch.

LIDAR Sketch without clearances over the shoulder (edge of pavement)

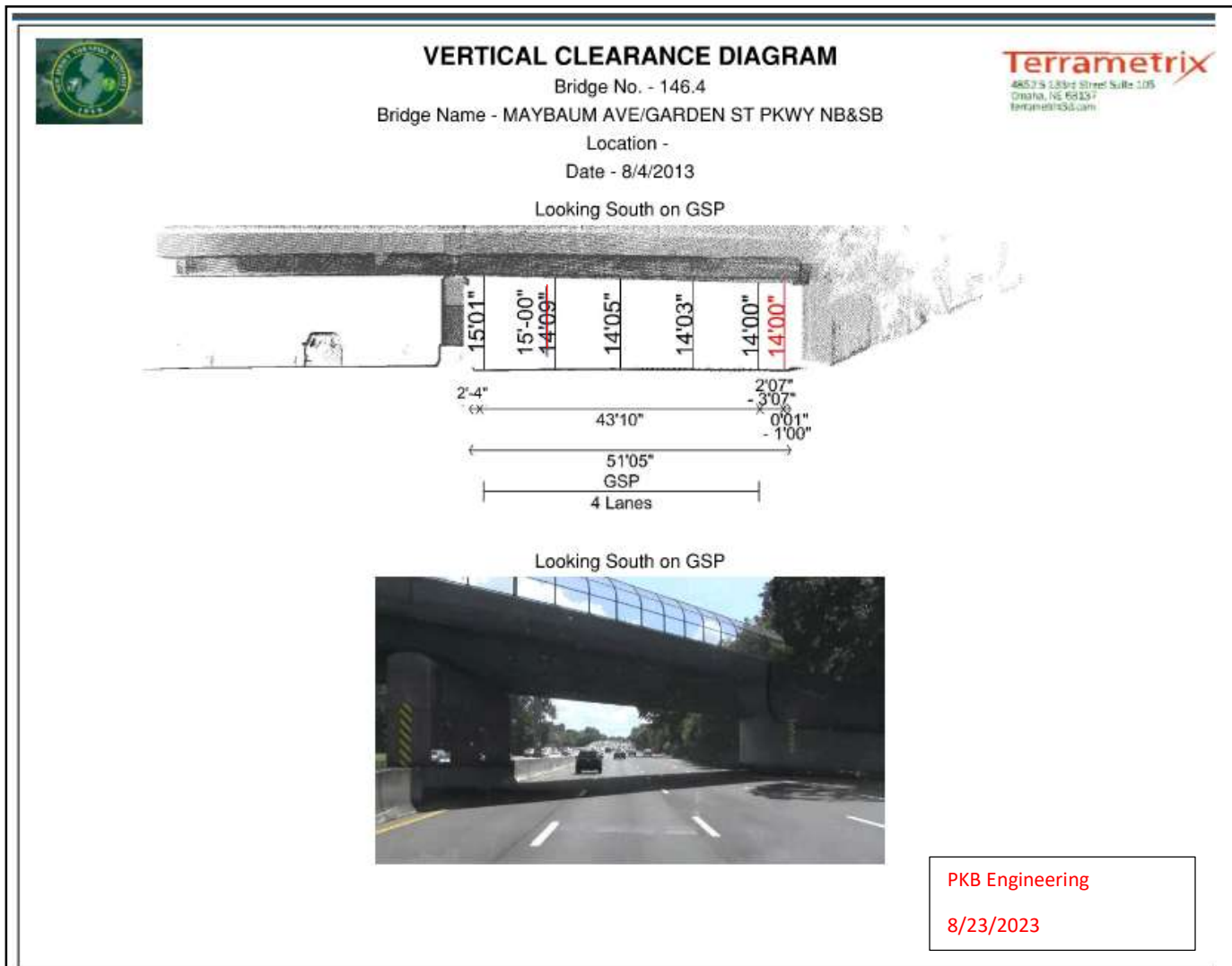


Update to LIDAR Sketch to show clearances over the shoulder (edge of pavement)



When alterations are made to the bridge or highway that affect the previously measured clearances, or appurtenances are now the lowest bridge member the Consultant shall update field measurements on the LIDAR sketches by red lining the existing clearance on the ORIGINAL FILE (circa 2013) and adding the new clearance to the sketch. DO NOT overlay the new clearances measured on top of the original dimensions. If the appurtenance is now the lowest bridge member (controlling clearance) a note should be added to the PDF detailing this condition.

Update to LIDAR Sketch to show revised clearances



NOTE: All LIDAR sketches should include the Firm and Date the clearances were verified, this is to be performed during each NBIS inspection and during any Damage Inspections