

Inspector Quantlist Report 20260122

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division IX: Incidental

Title: Next Generation Terminal (NGT)

Route:	Plan Reference Number:
Begin Station:	End Station:
Offset from edge line:	

Attribute Numbers	Yes, No, N/A	Narratives	References
0.		Have all stakeholders participated in the pre-activity meeting?	See Project Special Provisions for pre-activity meeting requirements
1.		Has the contractor at least two working days prior but no more than 15 working days prior to installation of post contacted ARIZONA 811?	2021 Standard Specifications 107.15 pg. 114
2.		Was earthwork placement, grading, and compacting completed prior to installation of posts for guardrail terminals?	2021 Standard Specifications 905-3.10 pg. 1039
3.		Do materials for guardrail terminals conform to the requirements of the approved manufacturer's drawings and specifications? (only those guardrail terminals referenced in the plans will be allowed)	2021 Standard Specifications 106.05. pg 89 905-2 pg. 1034 1012-1, 1012-2, 1012-3 pg. 1225
4.		Were rail elements galvanized after fabrication? (Fabrication includes forming, cutting, shearing, punching, drilling, bending, welding, and riveting)	2021 Standard Specifications 1012-2 pg. 1225
5.		Unless otherwise specified, do all surfaces of guardrail elements exposed to traffic present a uniform, pleasing appearance free of scars, stains and corrosion?	2021 Standard Specifications 1012-2 pg. 1225
6.		If galvanization has been damaged, was the coating repaired by applying two coats of zinc-rich primer conforming to the requirements of Section 1002 of the specifications?	2021 Standard Specifications 1012-3.01 pg. 1226
7.		Was only one type of post and blockout used for any one continuous length of guardrail?	2021 Standard Specifications 1012-3.02 pg. 1226
8.		Was the timber used No. 1 or better, and the stress grade 1,200 pounds per square inch or higher?	2021 Standard Specifications 1012-3.02 pg. 1226
9.		When measured, the dimensions of timber posts and blockouts did not vary by more than \pm 1/4 inch from the nominal dimensions as specified?	2021 Standard Specifications 1012-3.02 pg. 1226

Inspector Quantlist Report 20260122

10.		Was the drilling or fabrication for timber completed before the preservation treatment process?	2021 Standard Specifications 1012-3.03 pg. 1226
11.		If mechanical injury occurred or field cutting of the timbers was done, is the field treatment in accordance with AWPA Standard M4?	2021 Standard Specifications 1012-3.03 pg. 1226
12.		Have High Strength Bolts, Nuts or Washers, been sampled and tested according to ADOT's Appendix C?	ADOT Materials Quality Assurance Appendix C 1012
13.		Has a standard guardrail post (G) been installed at post location 10 and beyond?	Next Generation Terminal (NGT) Installation Manual pg. 11
14.		Has the NGT standard plug-welded posts (E) been installed at post locations 9 through 2?	Next Generation Terminal (NGT) Installation Manual pg. 11
15.		Has the NGT post 1 (D) been installed 6 inches offset from post 2 and 1 inch higher than the posts in locations 9 through 2?	Next Generation Terminal (NGT) Installation Manual pg. 11
16.		Has the NGT anchor post been installed 13.5 inches offset from post 2? (7.5 inches offset from post 1)	Next Generation Terminal (NGT) Installation Manual pg. 11
17.		Have standard blockouts been bolted to post 7 and 9? (do not pass bolts through guardrail at these post)	Next Generation Terminal (NGT) Installation Manual pg. 11
18.		Have the NGT notched wood blockouts been bolted to posts 3 and 5? (you cannot pass bolts through NGT guardrail at these post)	Next Generation Terminal (NGT) Installation Manual pg. 11
19.		Has the standard 12 foot 6 inch Midwest Guardrail System (MGS) guardrail been hung with standard wood blockouts at post 8 and 10 between post 10 and 7?	Next Generation Terminal (NGT) Installation Manual pg. 11
20.		Has the NGT anchor guardrail panel with cable attachment (B) and remaining standard wood blockouts been installed to post 7 and 1? (make sure slack in cable is positioned below post bolts at post 2,4 and 6)	Next Generation Terminal (NGT) Installation Manual pg. 11
21.		Have the NGT impact head (A) and NGT shelf bracket (I) been installed? (make sure cable passes through bottom of NGT impact head)	Next Generation Terminal (NGT) Installation Manual pg. 11
22.		Has the cable been fastened to the NGT anchor post (C) and been hand tightened to 120 foot pounds?	Next Generation Terminal (NGT) Installation Manual pg. 11
23.		Have all the splice bolts and post bolts been tightened?	Next Generation Terminal (NGT) Installation Manual pg. 11
24.		Has the object marker been installed on the NGT impact head?	Next Generation Terminal (NGT) Installation Manual pg. 11

Inspector Quantlist Report 20260122

25.		Is the minimum reflective area for L-shaped and T-shaped markers, attached to the top of wooden posts, and U shaped markers, attached to the top of steel I-beam posts, at least ten square inches?	2021 Standard Specifications 905-2 pg. 1034
26.		Is the reflectorized surface for flexible vertical guardrail markers attached to the approach side of posts at least three inches wide by five inches long?	2021 Standard Specifications 905-2 pg. 1034
27.		Have flexible L-shaped, U-shaped, and T-shaped delineators installed on the top of the posts, and placed as close as possible to the roadway edge of the post with the retroreflective surface facing oncoming traffic of the nearest traveled lane?	2021 Standard Specifications 905-3.11 (A) pg. 1040
28.		Were flexible vertical delineators installed on the side of the post, facing oncoming traffic, are level and true, with retroreflective sheeting and are 38 inches above the roadway surface?	2021 Standard Specifications 905-3.11 (A) pg. 1040
29.		Are side-mounted flexible vertical delineators secured to wood posts with two 1/8-inch diameter by 2-inch long galvanized lag screws and flat washers?	2021 Standard Specifications 905-3.11 (A) pg. 1040
30.		Are side-mounted delineators secured to the metal posts by drilling two holes through the post and attaching with two galvanized 1/8-inch diameter by 3/4-inch long bolts, flat washers, and lock nuts? (self-tapping 1/8" screws may be used as permitted by the Engineer)	2021 Standard Specifications 905-3.11 (A) pg. 1040
31.		Does the color of the reflective portion on the barrier markers conform to the color of the adjacent edge line? (field application of retroreflective sheeting will not be allowed)	2021 Standard Specifications 905-3.11 (A) pg. 1040
32.		Is the quantlist minimum frequency being followed? (one per installation)	Construction Bulletin 07-01