

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division IX: Incidentals

Title: SKT-350 End Treatment (AC)

Route:
Plan Reference:
Offset
Station:
Begin:
End:
Direction:

No	Compliance	Narrative	Reference
0.		All stakeholders participated in the pre-activity meeting.	Construction Bulletin 02-01 Construction Manual 905
1.		Certificates of Compliance conforming to the requirements of Subsection [106.05] shall be submitted.	Special Provision 1012-1 Standard Specifications 1012-1
2.		The Contractor furnished Certificates of Compliance conforming to the requirements of Subsection 106.05, which state that steel or iron products incorporated in the project meet the "Buy America" Act requirements certifying that all manufacturing processes producing a steel or iron product, including any application of a coating to iron or steel, occurred in the United States.	Special Provisions 106.15
3.		Arizona 811 (Blue stake) is done before placement of the post (locating utility, pipes, box culverts and sleeves).	Standard Specifications 107.15 Special Provisions 107.15
4.		For other than High Strength Anchor Bolts, Certificate of Compliance required and three samples per lot, or 0.1% of lots in excess of 3000, for each bolt diameter, including nuts and washers.	Construction and Materials, Materials Quality Assurance. Appendix C Table 8-1021
5.		Earthwork placement, grading, compacting, and bituminous surfacing shall be completed prior to installation of posts for guardrail terminals.	Standard Specifications 905-3.10
6.		The Bituminous approach and widening is built to plans dimensions	Layout Details X10402

7.	The Bituminous approach and widening matches the cross slope of the existing roadway.	Layout Details X10402
8.	The post layout is in accordance with the project plan layout details (The face of rail offset is per plans Detail "A", "B", or special detail).	Layout Details X10402
9.	At the time of installation the wood posts and blocks comply with Policy and Procedure Directive for (Splits)(Knots)(Checks)(Wane)(Shake).	Special Provision 1012-4 Policy and Procedure Directive Number 9
10.	The contractor shall install the posts in a manner that prevents heaving or other damage to the surface material. If the Engineer determines that heaving or other damage has occurred, the contractor shall remove and replace surface material at no additional cost to the Department.	Standard Specifications 905-3.10
11.	The steel foundation tubes for posts 1 & 2 do not protrude more than 4" above the finished adjacent ground line.	Manufacturer Drawing SKT- W-2US-AZ
12.	At the time of installation wood posts #1 & #2 are 5-1/2" x 7-1/2" x 45" (Minimum 5-3/16" x 7-3/16") are installed in the 6" x 8" x 72" foundation tubes.	Manufacturer Drawing SKT- W-2US-AZ
13.	A standard 2"x 5-1/2" (+/- 1/4") pipe sleeve is inserted into the hole at post # 1.	Manufacturer Drawing SKT- W-2US-AZ
14.	The strut is attached to the foundation tubes #1 & 2 with 5/8" x 10" hex bolts, place washers under the nut and bolt head.	Manufacturer Requirement Installation Manual
15.	The bolts at the top of the foundation tubes are not over-tightened deforming the walls of the tubes.	Manufacturer Requirement Installation Manual
16.	CRT Wood Posts 3-8 are installed with the 3-1/2" breakaway holes parallel to the roadway; finished grade is near the bottom of the 3-1/2" hole.	Manufacturer Drawing SKT- W-2US-AZ
17.	At the time of installation, CRT posts 3 - 8 are nominal 6"x 8"x 72"(Minimum dimensions 5-1/2"x 7-1/2" x 71-7/8")	Policy and Procedure Directive Number 9.5
18.	Where field cutting or boring of wood posts and blocks is permitted, the affected areas shall be treated in accordance with the American Wood Preservers Association Standard M4.	Standard Specifications 905-3.01
19.	The space around and under the posts placed in manually or mechanically dug holes shall be backfilled with moist soils placed in compacted lifts as approved by the Engineer.	Standard Specifications 905-3.02
20.	At the time of installation blockouts for posts 3-8 are nominal 6"x 8"x14" (Minimum dimensions 5-1/2" x 7-1/2" x 13-7/8") There are no blockouts at posts # 1 & 2.	Policy and Procedure Directive Number 9.5
21.	Wood blocks are toe nailed to the post with one 10d-16 penny nail on each side at the top of the block.	Manufacturer Drawing SKT- W-2US-AZ
22.	The guide chute is parallel to the top of the rail, the exit slot of the extruder head is facing away from traffic.	Manufacturer Drawing SKT- W-2US-AZ
23.	The two 3/8"x 3" lag screws holding the extruder head to post # 1 are snug.	Manufacturer Drawing SKT- W-2US-AZ
24.	The SKT End offset is set at 0'-2' Max. As measured from the face of rail at post #1.	Manufacturer Drawing SKT- W-2US-AZ

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25.		The delineation on the Extruder head conforms to the plan detail or Signing and Marking Standard Drawing.	Standard Drawing M-34
26.		All rail elements are lapped in the direction of traffic nearest the adjacent lane.	Manufacturer Drawing SKT- W-2US-AZ
27.		Do not bolt the rail to posts #1.	Installation Manual
28.		Bolts adjacent to pedestrian traffic are cut flush to the nut.	Standard Specifications 905-3.01
29.		All other bolts extend a minimum of two threads beyond the nut.	Standard Specifications 905-3.01
30.		The anchor cable bracket shoulder bolts are properly attached to the w-beam with the nuts on the traffic side. The cable anchor bracket is fully seated on the shoulder portion of the bolts before post #2.	Manufacturer Drawing SKT- W-2US-AZ
31.		The top of guardrail is set at 27" Min. - 29" Max. From the finished roadway surface. (Set rail height close to the Maximum, This allows for settling and asphaltic concrete overlays).	Special Provision 905-3.01 Project Plan Sheet
32.		For tangent and flared guardrail terminals used on a project with an average elevation of less than 4,000 feet, the contractor shall use Flexible guardrail markers either U-Shaped (for steel I-Beam posts), L-shaped, T-shaped markers, or flexible vertical delineators on every sixth posts and on radial sections, every other post.	Special Provision 905-3.11 A Standard Specifications 905-3.11 D Standard Specifications 905-3.11 A
33.		For elevations of 4,000' and higher, the flexible guardrail markers are installed on every sixth post, and on radial sections, every other post.	Special Provision 905-3.11 B Standard Specifications 905-3.11 D Standard Specifications 905-3.11 B
34.		For elevations of 4,000' and higher, the mounting height of the flexible guardrail markers from the top of the reflective sheeting is approximately 38" ± 2 inches above the surface of the adjacent roadway.	Special Provision 905-3.11 A Standard Specifications 905-3.11 A Standard Specifications 905-3.11 D
35.		Flexible vertical delineators shall be installed on the side of the post facing oncoming traffic, level and true.	Special Provision 905-3.11 A Standard Specifications 905-3.11 A
36.		Side-mounted flexible vertical delineators shall be secured to wood posts with two 1/8-inch diameter by 2-inch long galvanized lag screws and flat washers.	Special Provision 905-3.11 A Standard Specifications 905-3.11 A
37.		All post mounted reflectors are mounted level and true.	Special Provision 905-3.11 A Standard Specifications 905-3.11 A
38.		Damaged reflector tabs and markers are replaced at no cost to the department.	Special Provision 905-3.11 A Standard Specifications 905-3.11 A
39.		The 8"x 8" bearing plate is positioned with the 5" dimension up and the 3" dimension down at post # 1.	Manufacturer Drawing SKT- W-2US-AZ
40.		One washer is installed under each hex nut on the Anchor cable.	Manufacturer Drawing SKT- W-2US-AZ

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41.		The anchor cable is taut after the installation has been completed (+/- 1" of movement) Tighten the Hex Nuts on the cable ends, until the cable is taut. (The cable is considered taut, when it does not deflect more than 1" when pressure is applied by hand in an up or down direction.)	Installation Manual
42.		Quantlist Minimum Frequency is being followed, One per installation.	Construction Bulletin 07-01