Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IX: Incidentals
Title: SKT-350 End Treatment (Concrete)

Route
Plan Reference Number
Offset
Station
Begin
End

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders participated in the pre-activity meeting.	Construction Bulletin 02-01
1.		Certificates of Compliance conforming to the requirements of Subsection [106.05] shall be submitted.	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.		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
4.		Blue stake is done before placement of the post (locating utility, pipes, box culverts and sleeves).	Standard Specifications 107.15
5.		All guardrail fasteners require one sample of each item.	Construction Manual 905-1

6.		Earthwork placement, grading, compacting, and bituminous surfacing shall be completed prior to installation of posts for guardrail terminals.	Standard Specifications 905-3.10
7.		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 X10412
8.		The steel soil tubes, if placed in in manually or mechanically dug holes shall be backfilled with moist soils placed in compacted lifts as approved by the Engineer.	Manufacturer Drawing SKT-S-8US-AZ
9.		The Leaveouts shall be filled with one-sack grout mix or alternate materials approved by the State to full depth of paving.	Manufacturer Drawing SKT-S-8US-AZ
10.		The steel soil tubes shall not protrude more than 4” above the finished adjacent ground line.	Manufacturer Drawing SKT-S-8US-AZ
11.		The Bolted Hinged posts use a single high strength post hinge bolt at the post connection. At post #1, the bolt is 5/8" x 9" at the remaining posts a 3/4" x 8-½" bolt is used.	Manufacturer Requirement Installation Manual
12.		The bolts at the top of the foundation tubes are not over-tightened deforming the walls of the tubes.	Manufacturer Requirement Installation Manual
13.		All rail elements are lapped in the direction of traffic nearest the adjacent lane.	Manufacturer Drawing SKT-S-8US-AZ
14.		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).	Installation Manual
15.		The two 1/4”x 4” bolt & ¼” nut holding the impact head to post # 1 are snug.	Manufacturer Drawing SKT-S-8US-AZ
16.		The SKT End offset is set at 0’- 2’ Max. As measured from the face of rail at post 1.	Manufacturer Drawing SKT-S-8US-AZ
17.		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-S-8US-AZ
18.		Do not bolt the rail to posts #1.	Installation Manual
19.		The delineation on the Extruder head conforms to the plan detail or Signing and Marking Standard Drawing.	Std. Drawing M-34
20.		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-S-8US-AZ
21.		The steel post systems use a routed wood block or recycled block of similar design.	Installation Manual
22.		Bolts adjacent to pedestrian traffic are cut flush to the nut.	Standard Specifications 905-3.01
23.		All other bolts extend a minimum of two threads beyond the nut.	Standard Specifications 905-3.01
24.		For tangent and flared guardrail terminals used on a project with an average elevation of less than 4,000 feet, the contractor shall use either prismatic barrier markers, L-shaped, T-shaped markers, or flexible vertical delineators on the posts shown in table 905-1. Prismatic barrier markers shall not be used.	Standard Specifications 905-3.11

25.		For elevations of 4,000' and higher, the flexible guardrail markers are installed on every 18th post, beginning with the post number as specified in table 905-1.	Standard Specifications 905-3.11
26.		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	Standard Specifications 905-3.11
27.		Damaged reflector tabs and markers are replaced at no cost to the department.	Standard Specifications 905-3.11
28.		The 8”x 8” bearing plate is positioned with the 5” dimension up and the 3” dimension down at post # 1.	Manufacturer Drawing SKT-S-8US-AZ
29.		One washer is installed under each hex nut on the Anchor cable.	Manufacturer Drawing SKT-S-8US-AZ
30.		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
31.		Quantlist Minimum Frequency is being followed, One per installation.	Construction Bulletin 07-01