

WVDOH ANCILLARY STRUCTURE ANCHOR BOLT TIGHTENING RECORD

District: _____ State Project Number: _____

Contract ID number: _____ Federal Project Number: _____

Plan Assembly Number: _____

Structure Utility: ☐ Signing ☐ Signal ☐ Lighting ☐ ITS

Structure Type: ☐ Cantilever ☐ (Sign) Butterfly ☐ (ITS) Butterfly ☐ Span ☐ Strain Pole
☐ High Mast Tower ☐ Conventional Light Pole

Anchor Diameter: _____ inches Tv: _____ foot-lbs = _____ PSI

1.10Tv: _____ foot-lbs = _____ PSI

Wrench Serial Number: _____ Gauge Serial Number: _____

Diagram of Structure (Plan view of structure showing all base plates. Show and label diagram with base plate numbers and location/position of structure in relation to a reference feature)

Base Plate 1 Diagram (Plan view of base plate with anchor bolt locations. Number anchor bolts the same as the anchors are numbered and tightened. Label diagram to indicate orientation of base plate in relation to a reference feature)

Full Tightness Gauge Pressure and Torque Values (Pressure recording not necessary if readout of gauge is in torque)

	1	2	3	4	5	6	7	8
PSI								
foot-lbs								

Mark Each Box to Indicate Application of Tv did not Result in Further Turning of Nut

	1	2	3	4	5	6	7	8

Mark Each Box to Indicate Application of 1.10Tv did not Result in Further Turning of Nut

	1	2	3	4	5	6	7	8

Base Plate 2 Diagram								
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Full Tightness Gauge Pressure and Torque Values								
	1	2	3	4	5	6	7	8
PSI								
foot-lbs								

Mark Each Box to Indicate Application of Tv did not Result in Further Turning of Nut								
	1	2	3	4	5	6	7	8

Mark Each Box to Indicate Application of 1.10Tv did not Result in Further Turning of Nut								
	1	2	3	4	5	6	7	8

Base Plate 3 Diagram								
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Full Tightness Gauge Pressure and Torque Values								
	1	2	3	4	5	6	7	8
PSI								
foot-lbs								

Mark Each Box to Indicate Application of Tv did not Result in Further Turning of Nut								
	1	2	3	4	5	6	7	8

Mark Each Box to Indicate Application of 1.10Tv did not Result in Further Turning of Nut								
	1	2	3	4	5	6	7	8

Base Plate 4 Diagram

Full Tightness Gauge Pressure and Torque Values

	1	2	3	4	5	6	7	8
PSI								
foot-lbs								

Mark Each Box to Indicate Application of Tv did not Result in Further Turning of Nut

	1	2	3	4	5	6	7	8

Mark Each Box to Indicate Application of 1.10Tv did not Result in Further Turning of Nut

	1	2	3	4	5	6	7	8

Date of Tightening

Date of Application of 1.10Tv

Installation Contractor

Bolt Tightening WVDOH Rep. (Print)

Contractor Rep. (Print)

Application of 1.10Tv WVDOH Rep. (Print)

Contractor Rep. (Signature)

WVDOH Project Engineer (Print)