

1 **(September 8, 2020)**

2 **Field Measuring Existing Bridge Columns**

3 The Contractor shall field measure the dimensions (diameter, or width and
4 thickness, as appropriate for column shape) of the existing bridge columns
5 receiving column jackets prior to preparing column jacket assembly shop drawings.
6 The following locations shall be field measured as a minimum for each column:
7

- 8 1. Top of footing or footing pedestal.
- 9
- 10 2. Bottom of crossbeam.
- 11
- 12 3. Mid-height of column.
- 13

14 The Contractor shall field measure the column height from top of footing or footing
15 pedestal to bottom of crossbeam for each column.
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17 The Contractor shall tabulate these field measured dimensions and submit them to
18 the Engineer along with the column jacket assembly shop drawings.
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20 Where site conditions, such as traffic control requirements or deeply buried
21 foundations, create difficulties for field measuring buried portions of the bridge
22 columns, the Contractor may request a waiver of the pre-fabrication field measuring
23 requirements for specific columns. If the Engineer concurs with the Contractor's
24 request for a waiver of the pre-fabrication field measuring requirement for specific
25 columns, and for columns identified in the Special Provisions as already designated
26 with a waiver, the Contractor shall:
27

- 28 1. Field measure the diameter, or width and thickness, as appropriate for the
29 column shape, of the above ground portion of the column receiving the
30 waiver.
31
- 32 2. Fabricate the column jacket to a length exceeding the column height (2'-0"
33 or ten percent of the estimated column height, whichever is greater) based
34 on the original plans and other available site data. The shop drawing
35 details shall specify the column jacket fabrication length, and the assumed
36 column height based on the available information.
37
- 38 3. Submit the method, template, and equipment used to field cut the top of
39 the column jacket assembly at installation.
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41 The Contractor shall submit the request for a waiver of the pre-fabrication field
42 measuring requirement prior to preparing column jacket assembly shop drawings,
43 and shall not submit shop drawings until receiving the Engineer's confirmation of
44 the waiver request and completing all field measurements still required.