

1 **(November 20, 2023)**

2 **Longitudinal Seismic Restrainers**

3 The Contractor shall submit Type 1 Working Drawings consisting of shop drawings
4 of the steel components of the longitudinal seismic restrainer assemblies in
5 accordance with Section 6-03.3(7).
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7 The Contractor shall core drill holes through the pier diaphragm for the high-
8 strength steel bar as shown in the Plans. The Contractor shall set the PVC pipe in
9 place with epoxy bonding agent as shown in the Plans.
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11 Holes for the resin bonded anchors for the longitudinal seismic restrainer
12 anchorages shall be located and drilled in accordance with Section 6-02.3(18)A,
13 and as follows:
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- 15 1. The bottom layer of steel reinforcing bars in the slab in the vicinity of the
16 longitudinal seismic restrainer anchorage as shown in the Plans shall be
17 located and marked on the concrete surface.
18
- 19 2. Using the anchorage assembly as a template, the Contractor shall align
20 and slightly shift the anchorage assembly as required so that the holes
21 avoid the existing steel reinforcing bars.
22
- 23 3. The Contractor shall drill holes for the resin bonded anchors with the
24 anchorage assembly in position as a template.
25
- 26 4. If, after shifting the anchorage assembly, conflicts still exist between hole
27 locations and existing steel reinforcing bars, the Contractor may, with the
28 Engineer's approval, core drill holes at the conflict locations.
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30 The surface of the concrete in contact with the anchorage assembly shall be coated
31 with Type II epoxy bonding agent conforming to Section 9-26.2, with the grade and
32 class as recommended by the epoxy bonding agent manufacturer. The longitudinal
33 seismic restrainer anchorage assembly shall be set in place within the set time
34 specified in the manufacturer's data sheet for the epoxy bonding agent.
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36 All longitudinal seismic restrainers at a pier shall be installed so that the free end
37 (the end with the gap as shown in the Plans) shall be on the same side of the pier.