**ATTACHMENT DETAILS**

**SECTION A-A**

*(SINGLE PIPE RAIL)*

- 1/4" anchor bolt with hex nut
- 3/8" x 3" x 1"
- See Note 9 on Details No. 1 sheet

**SECTION A-A**

*(DOUBLE PIPE RAIL)*

- 1/4" anchor bolt with hex nut
- 3/8" x 3" x 1"
- See Note 9 on Details No. 1 sheet

**SECTION A-A**

*(TUBE RAIL)*

- 1/4" anchor bolt with hex nut
- 1"

**NOTE:** Details for Type 9 and Type 11 metal railing are similar.

---

**BRIDGE STANDARD DETAILS**

- No. 16-140-2
- Engineer:
- Date: 07/20/2020

---

**SPACER PLATE**

- 3/8" x 1"
- See Note 9 on Details No. 1 sheet

**BRACKET PLATE**

- 3/8" x 1"
- See Note 9 on Details No. 1 sheet

---

**BOTTOM ANCHORAGE DETAIL**

- 3/8" pipe type turnbuckle
- Eye end and jaw end
- Thimble
- 1/2" anchor bolt

---

**METAL RAILING**

- Type 11 metal railing
- spacing of 3"±

---

**REFERENCE:**

- Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/

---

**NOTICE:**

- Any material, before ordering or fabricating, controlling field dimensions, the contractor shall verify all.

---

**EXHIBIT:**

- Reduced plan sheet
- Original plan sheet

---

**FILE:**

- No. 16-140-2.dgn
- MM/DD/YYYY

---

**APPRAISAL:**

- Date plotted: 11:37:32 AM
- Division of California Department of Transportation
- State of California: DIVISION OF ENGINEERING SERVICES

---

**DISCLAIMER:**

- The registered civil engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.

---

**STATE OF CALIFORNIA**

- DEPARTMENT OF TRANSPORTATION

---

**PROJECT NO.:**

- 03-13-20
- POST MILES 1-15-20
- 05-18-20
- 7-20-20

---

**DETAILS:**

- NAME:
- LOCATION:
- CONTRACTOR:
- ENGINEER:
- DATE:

---

**COVER SHEET**

- Original plan sheet
- Revisions date:
- Earliest revision date: 03-13-20
- Latest revision date: 05-18-20

---

**REVISIONS:**

- Disregard prints bearing earlier revision dates.

---

**CONTRACTOR:**

- Responsible charge of the Technical Owner.

---

**STATE OF CALIFORNIA**

- DEPARTMENT OF TRANSPORTATION

---

**FILE:**

- No. 16-140-2.dgn
- MM/DD/YYYY

---

**APPRAISAL:**

- Date plotted: 11:37:32 AM
- Division of California Department of Transportation
- State of California: DIVISION OF ENGINEERING SERVICES

---

**DISCLAIMER:**

- The registered civil engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.

---

**STATE OF CALIFORNIA**

- DEPARTMENT OF TRANSPORTATION

---

**PROJECT NO.:**

- 03-13-20
- POST MILES 1-15-20
- 05-18-20
- 7-20-20

---

**DETAILS:**

- NAME:
- LOCATION:
- CONTRACTOR:
- ENGINEER:
- DATE:

---

**COVER SHEET**

- Original plan sheet
- Revisions date:
- Earliest revision date: 03-13-20
- Latest revision date: 05-18-20

---

**REVISIONS:**

- Disregard prints bearing earlier revision dates.