

For loop bars 6d1, 6d2, and 6d3, use ${ }^{3 \prime}$ " smooth steel bars with a minimum yield strength of 60 ksi , a tensile strength of 80 ksi , a minimum $14 \%$ elongation in 8 inches, and passing a 180 degree bend test using a $3 \frac{1}{2}^{1^{\prime \prime}}$ pin bend diameter. Install loops within $\frac{1}{8}$ " of the plan dimensions.

Use Grade 60, ASTM A615 for all other reinforcements. Do not lift or move using loop bars $6 \mathrm{~d} 1,6 \mathrm{~d} 2$ or 6 d 3 .
Provide for an approved montitoring schedule with a person on call and available 24 hours a day, each day of the week, realign barmier which has been struck. Initiate service within one hour of notification of need.
Unless stated otherwise in the plans, the barrier rail section hall be the property of the Contractor. Remove from the site upon completion of work

Following removal of anchorage, fill all holes with an approved non-shrink grout.
Tapered end section is not designed for use within 30 feet of traffic on facilities with speed limits 55 mph or greater, no
within 10 feet of traffic on facilities with speed limits 40 mph within 10 mph.
Estimated quantity of concrete for one taper section is 0.6 cubic yards.

Include the cost of anchorage, when required in the price bid for "Temporary Barrier Rail, Concrete".
(1) Permanently mark one end of each rail section with manufacturing information. The "marked end" is that ond of the barrier having one loop bar at the top and two loop bars at the bottom. Include the following information in the marking:

- Manufacturer Identification
- Date Manufactured (Month and Year)
- BA-401 Type A
(2) Lifting hole. 4 inch diameter PVC Pipe.
(3) 1 inch radius allowed

Possible Contract Item:
Temporary Barrier Rail, Concrete
Possible Tabulation:
108-33


TEMPORARY BARRIER RAIL (PRECAST CONCRETE)

(4) Retainer bolt \& nut are required for connections with 2-loop barriers (previous designs) or in conjunction wth Strap Anchorage.
(5) Furnish and install Barrier Markers. Attach to the barrier in a manner approved by the manufacture barrier in a manner approved by the manutacture
Markers to face oncoming traffic and match the Markers to tace oncoming raatica and match the promptly repair or replace any damaged or missing units. Include costs for furnishing, installing and units. Include costs for furnishing, installing and maintiaining markers in
Barier Rail, Concrete."

| Per 12'-6" Barrier Section |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| REINFORCING A615 Gr. 60 |  |  |  |  |  |
| Bar | $\begin{aligned} & \text { Bar } \\ & \text { Size } \end{aligned}$ | Shape | $\begin{gathered} \hline \text { No. } \\ \text { of } \\ \text { Bars } \end{gathered}$ | $\begin{aligned} & \text { Lengeth } \\ & \mathrm{Ft} \end{aligned}$ | $\begin{gathered} \text { Welght } \\ \text { Lbs. } \end{gathered}$ |
| 4 4 1 | 4 | $\Delta$ | 12 | $6^{6} 0^{0}$ | 48.1 |
| 6 6 2 | 6 | $\subset$ | 6 | $35^{\prime \prime}$ | 26.3 |
| 561 | 5 |  | 3 | 12-2" | 38.1 |
| 4c1 | 4 |  | 2 | $122^{\prime \prime}$ | 16.3 |
| LOOP ASSEMBLY |  |  |  |  |  |
| $6{ }^{6} 1$ | 6 | $\Gamma$ | 2 | $8^{1} 5^{\prime}$ | 25.3 |
| 6d2 | 6 | $\ulcorner$ | 2 | $77^{7}$ | 22.8 |
| $6{ }^{\text {d }} 3$ | 6 | $\Gamma$ | 2 | $8^{16} 6^{\prime \prime}$ | 25.5 |



Datan Mayes



