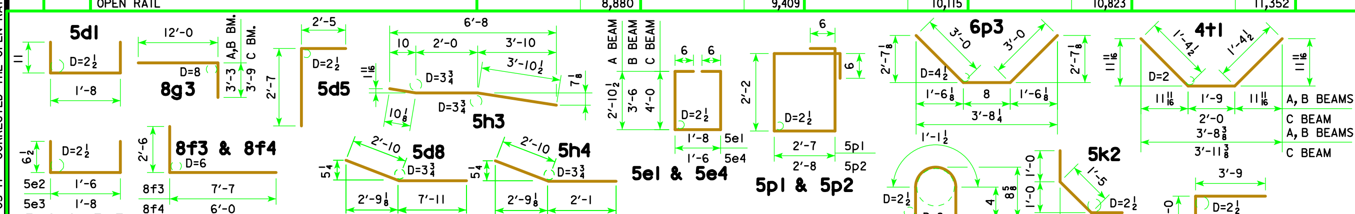
# REINFORCING BAR LIST

ONE SUPERSTRUCTURE AND TWO ABUTMENTS

<table>
<tr><td colspan="3">℄-℄ ABUT. BRG.</td><td colspan="3">138'-10</td><td colspan="3">151'-4</td><td colspan="3">163'-10</td><td colspan="3">176'-4</td><td colspan="3">188'-10</td><td colspan="3">201'-4</td><td colspan="3">213'-10</td><td colspan="3">226'-4</td><td colspan="3">243'-0</td></tr>
<tr><td colspan="3">℄-℄ BEAM BRG.</td><td>42'-6</td><td>50'-10</td><td>42'-6</td><td>46'-8</td><td>55'-0</td><td>46'-8</td><td>50'-10</td><td>59'-2</td><td>50'-10</td><td>55'-0</td><td>63'-4</td><td>55'-0</td><td>59'-2</td><td>67'-6</td><td>59'-2</td><td>63'-4</td><td>71'-8</td><td>63'-4</td><td>67'-6</td><td>75'-10</td><td>67'-6</td><td>71'-8</td><td>80'-0</td><td>71'-8</td><td>80'-0</td><td>80'-0</td><td>80'-0</td></tr>
<tr><td colspan="3">BEAM SERIES</td><td colspan="3">A BEAM</td><td colspan="3">A BEAM</td><td colspan="3">B BEAM</td><td colspan="3">B BEAM</td><td colspan="3">B BEAM</td><td colspan="3">C BEAM</td><td colspan="3">C BEAM</td><td colspan="3">C BEAM</td><td colspan="3">C BEAM</td></tr>
<tr><td>BAR</td><td>LOCATION</td><td>SHAPE</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td><td>NO.</td><td>LENGTH</td><td>WEIGHT</td></tr>
<tr><td>6a1</td><td>SLAB TRANSV. TOP & BOTT.</td><td></td><td>339</td><td>32'-10</td><td>16,718</td><td>369</td><td>32'-10</td><td>18,197</td><td>399</td><td>32'-10</td><td>19,677</td><td>429</td><td>32'-10</td><td>21,156</td><td>459</td><td>32'-10</td><td>22,636</td><td>489</td><td>32'-10</td><td>24,115</td><td>519</td><td>32'-10</td><td>25,595</td><td>549</td><td>32'-10</td><td>27,074</td><td>589</td><td>32'-10</td><td>29,047</td></tr>
<tr><td>5b1</td><td>SLAB LONGITUDINAL, TOP & BOTT.</td><td></td><td>152</td><td>40'-0</td><td>6,341</td><td>152</td><td>40'-0</td><td>6,341</td><td>228</td><td>40'-0</td><td>9,512</td><td>228</td><td>40'-0</td><td>9,512</td><td>228</td><td>40'-0</td><td>9,512</td><td>304</td><td>40'-0</td><td>12,683</td><td>304</td><td>40'-0</td><td>12,683</td><td>304</td><td>40'-0</td><td>12,683</td><td>380</td><td>40'-0</td><td>15,854</td></tr>
<tr><td>5b2</td><td>SLAB LONGITUDINAL, TOP & BOTT., ENDS</td><td></td><td>152</td><td>33'-9</td><td>5,351</td><td>152</td><td>40'-0</td><td>6,341</td><td>152</td><td>27'-3</td><td>4,320</td><td>152</td><td>33'-6</td><td>5,311</td><td>152</td><td>39'-9</td><td>6,302</td><td>152</td><td>27'-0</td><td>4,280</td><td>152</td><td>33'-3</td><td>5,271</td><td>152</td><td>39'-6</td><td>6,262</td><td>152</td><td>28'-10</td><td>4,571</td></tr>
<tr><td>6b3</td><td>SLAB LONGITUDINAL, TOP @ PIERS</td><td></td><td>66</td><td>12'-10</td><td>1,272</td><td>66</td><td>13'-10</td><td>1,371</td><td>66</td><td>14'-10</td><td>1,470</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td></tr>
<tr><td>7b3</td><td>SLAB LONGITUDINAL, TOP @ PIERS</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>66</td><td>15'-10</td><td>2,136</td><td>66</td><td>17'-0</td><td>2,293</td><td>66</td><td>18'-0</td><td>2,428</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td></tr>
<tr><td>8b3</td><td>SLAB LONGITUDINAL, TOP @ PIERS</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>66</td><td>19'-0</td><td>3,348</td><td>66</td><td>20'-0</td><td>3,524</td><td>66</td><td>20'-0</td><td>3,524</td></tr>
<tr><td>5d1</td><td>PIER DIAPH. ENDS</td><td></td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td><td>12</td><td>3'-6</td><td>44</td></tr>
<tr><td>5d2</td><td>PIER & ABUT. DIAPH. LONGIT.</td><td></td><td>72</td><td>6'-1</td><td>457</td><td>72</td><td>6'-1</td><td>457</td><td>72</td><td>6'-1</td><td>457</td><td>72</td><td>6'-1</td><td>457</td><td>72</td><td>6'-1</td><td>457</td><td>72</td><td>5'-10</td><td>438</td><td>72</td><td>5'-10</td><td>438</td><td>72</td><td>5'-10</td><td>438</td><td>72</td><td>5'-10</td><td>438</td></tr>
<tr><td>5d3</td><td>PIER & ABUT. DIAPH. LONGIT.</td><td></td><td>24</td><td>5'-2</td><td>129</td><td>24</td><td>5'-2</td><td>129</td><td>24</td><td>5'-2</td><td>129</td><td>24</td><td>5'-2</td><td>129</td><td>24</td><td>5'-2</td><td>129</td><td>24</td><td>4'-11</td><td>123</td><td>24</td><td>4'-11</td><td>123</td><td>24</td><td>4'-11</td><td>123</td><td>24</td><td>4'-11</td><td>123</td></tr>
<tr><td>5d4</td><td>PIER DIAPH. LONGIT.</td><td></td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td><td>2</td><td>29'-9</td><td>62</td></tr>
<tr><td>5d5</td><td>ABUT. DIAPH. ENDS</td><td></td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td><td>12</td><td>5'-0</td><td>63</td></tr>
<tr><td>5d6</td><td>ABUT. DIAPH. LONGIT. B.F.</td><td></td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td><td>8</td><td>32'-9</td><td>273</td></tr>
<tr><td>5d7</td><td>PAVING NOTCH LONGIT.</td><td></td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td><td>4</td><td>32'-9</td><td>137</td></tr>
<tr><td>5d8</td><td>ABUT. DIAPH. WING EXT. LONGIT.</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>24</td><td>10'-9</td><td>269</td><td>24</td><td>10'-9</td><td>269</td><td>24</td><td>10'-9</td><td>269</td><td>24</td><td>10'-9</td><td>269</td></tr>
<tr><td>5d9</td><td>ABUT. DIAPH. WING EXT. LONGIT.</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>24</td><td>10'-8</td><td>267</td><td>24</td><td>10'-8</td><td>267</td><td>24</td><td>10'-8</td><td>267</td><td>24</td><td>10'-8</td><td>267</td></tr>
<tr><td>5e1</td><td>PIER DIAPH. HOOPS</td><td></td><td>32</td><td>8'-5</td><td>281</td><td>32</td><td>8'-5</td><td>281</td><td>32</td><td>9'-8</td><td>323</td><td>32</td><td>9'-8</td><td>323</td><td>32</td><td>9'-8</td><td>323</td><td>32</td><td>10'-8</td><td>356</td><td>32</td><td>10'-8</td><td>356</td><td>32</td><td>10'-8</td><td>356</td><td>32</td><td>10'-8</td><td>356</td></tr>
<tr><td>5e2</td><td>PIER DIAPH. TIES ENDS</td><td></td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td><td>4</td><td>2'-7</td><td>11</td></tr>
<tr><td>5e3</td><td>PIER DIAPH. TIES</td><td></td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td><td>32</td><td>2'-9</td><td>92</td></tr>
<tr><td>5e4</td><td>PIER DIAPH. HOOPS ENDS</td><td></td><td>4</td><td>8'-3</td><td>34</td><td>4</td><td>8'-3</td><td>34</td><td>4</td><td>9'-6</td><td>40</td><td>4</td><td>9'-6</td><td>40</td><td>4</td><td>9'-6</td><td>40</td><td>4</td><td>10'-6</td><td>44</td><td>4</td><td>10'-6</td><td>44</td><td>4</td><td>10'-6</td><td>44</td><td>4</td><td>10'-6</td><td>44</td></tr>
<tr><td>8f1</td><td>ABUT. FOOTING LONGIT.</td><td></td><td>18</td><td>32'-10</td><td>1,578</td><td>18</td><td>32'-10</td><td>1,578</td><td>18</td><td>32'-10</td><td>1,578</td><td>18</td><td>32'-10</td><td>1,578</td><td>18</td><td>32'-10</td><td>1,578</td><td>18</td><td>33'-0</td><td>1,586</td><td>18</td><td>33'-0</td><td>1,586</td><td>18</td><td>33'-0</td><td>1,586</td><td>18</td><td>33'-0</td><td>1,586</td></tr>
<tr><td>8f3</td><td>ABUT. EXTENSION LONGIT.</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>16</td><td>10'-1</td><td>431</td><td>16</td><td>10'-1</td><td>431</td><td>16</td><td>10'-1</td><td>431</td><td>16</td><td>10'-1</td><td>431</td></tr>
<tr><td>8f4</td><td>ABUT. EXTENSION LONGIT.</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>16</td><td>8'-6</td><td>363</td><td>16</td><td>8'-6</td><td>363</td><td>16</td><td>8'-6</td><td>363</td><td>16</td><td>8'-6</td><td>363</td></tr>
<tr><td>8g1</td><td>ABUT. VERT.</td><td></td><td>114</td><td>6'-8</td><td>2,029</td><td>114</td><td>6'-8</td><td>2,029</td><td>114</td><td>7'-3</td><td>2,207</td><td>114</td><td>7'-3</td><td>2,207</td><td>114</td><td>7'-3</td><td>2,207</td><td>110</td><td>7'-9</td><td>2,276</td><td>110</td><td>7'-9</td><td>2,276</td><td>110</td><td>7'-9</td><td>2,276</td><td>110</td><td>7'-10</td><td>2,301</td></tr>
<tr><td>8g3</td><td>ABUT. DIAPH. VERT. B.F.</td><td></td><td>50</td><td>15'-3</td><td>2,036</td><td>50</td><td>15'-3</td><td>2,036</td><td>50</td><td>15'-3</td><td>2,036</td><td>50</td><td>15'-3</td><td>2,036</td><td>50</td><td>15'-3</td><td>2,036</td><td>50</td><td>15'-9</td><td>2,103</td><td>50</td><td>15'-9</td><td>2,103</td><td>50</td><td>15'-9</td><td>2,103</td><td>50</td><td>15'-9</td><td>2,103</td></tr>
<tr><td>6g4</td><td>ABUT. DIAPH. WING EXT. VERT.</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>40</td><td>6'-6</td><td>391</td><td>40</td><td>6'-6</td><td>391</td><td>40</td><td>6'-7</td><td>396</td><td>40</td><td>6'-7</td><td>396</td></tr>
<tr><td>5h1</td><td>ABUT. WING HORIZ. B.F.</td><td></td><td>28</td><td>6'-8</td><td>195</td><td>28</td><td>6'-8</td><td>195</td><td>28</td><td>6'-8</td><td>195</td><td>28</td><td>6'-8</td><td>195</td><td>28</td><td>6'-8</td><td>195</td><td>36</td><td>6'-8</td><td>250</td><td>36</td><td>6'-8</td><td>250</td><td>36</td><td>6'-8</td><td>250</td><td>36</td><td>6'-8</td><td>250</td></tr>
<tr><td>5h2</td><td>ABUT. TO WING ANCHOR</td><td></td><td>56</td><td>4'-11</td><td>287</td><td>56</td><td>4'-11</td><td>287</td><td>56</td><td>4'-11</td><td>287</td><td>56</td><td>4'-11</td><td>287</td><td>56</td><td>4'-11</td><td>287</td><td>12</td><td>4'-11</td><td>62</td><td>12</td><td>4'-11</td><td>62</td><td>12</td><td>4'-11</td><td>62</td><td>12</td><td>4'-11</td><td>62</td></tr>
<tr><td>5h3</td><td>ABUT. WING HORIZ. TRAFFIC FACE</td><td></td><td>28</td><td>6'-9</td><td>197</td><td>28</td><td>6'-9</td><td>197</td><td>28</td><td>6'-9</td><td>197</td><td>28</td><td>6'-9</td><td>197</td><td>28</td><td>6'-9</td><td>197</td><td>36</td><td>6'-9</td><td>253</td><td>36</td><td>6'-9</td><td>253</td><td>36</td><td>6'-9</td><td>253</td><td>36</td><td>6'-9</td><td>253</td></tr>
<tr><td>5h4</td><td>ABUT. TO WING ANCHOR</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>12</td><td>4'-11</td><td>62</td><td>12</td><td>4'-11</td><td>62</td><td>12</td><td>4'-11</td><td>62</td><td>12</td><td>4'-11</td><td>62</td></tr>
<tr><td>5J1</td><td>TOP OF SLAB TRANSV. (AT RAIL)</td><td></td><td>338</td><td>6'-3</td><td>2,203</td><td>368</td><td>6'-3</td><td>2,399</td><td>398</td><td>6'-3</td><td>2,594</td><td>428</td><td>6'-3</td><td>2,790</td><td>458</td><td>6'-3</td><td>2,986</td><td>488</td><td>6'-3</td><td>3,181</td><td>518</td><td>6'-3</td><td>3,377</td><td>548</td><td>6'-3</td><td>3,572</td><td>588</td><td>6'-3</td><td>3,833</td></tr>
<tr><td>5k1</td><td>PAVING NOTCH</td><td></td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td><td>54</td><td>4'-9</td><td>268</td></tr>
<tr><td>5k2</td><td>PAVING NOTCH</td><td></td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td><td>54</td><td>3'-5</td><td>192</td></tr>
<tr><td>5p1</td><td>ABUTMENT HOOPS (WOOD/STEEL)</td><td></td><td>88/104</td><td>10'-6</td><td>964/1139</td><td>96/104</td><td>10'-6</td><td>1051/1139</td><td>96/88</td><td>10'-6</td><td>1051/964</td><td>104/88</td><td>10'-6</td><td>1139/964</td><td>104/88</td><td>10'-6</td><td>1139/964</td><td>96</td><td>10'-6</td><td>1,051</td><td>112</td><td>10'-6</td><td>1,227</td><td>112</td><td>10'-6</td><td>1,227</td><td>112</td><td>10'-6</td><td>1,227</td></tr>
<tr><td>5p2</td><td>ABUTMENT HOOPS</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>24</td><td>10'-8</td><td>267</td><td>24</td><td>10'-8</td><td>267</td><td>24</td><td>10'-8</td><td>267</td><td>24</td><td>10'-8</td><td>267</td></tr>
<tr><td>6p3</td><td>ABUT. BOTT. AT PILES</td><td></td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>24</td><td>6'-8</td><td>240</td><td>28</td><td>6'-8</td><td>280</td><td>28</td><td>6'-8</td><td>280</td><td>28</td><td>6'-8</td><td>280</td></tr>
<tr><td>5r1</td><td>PAVING BLOCK LIFTING LOOPS</td><td></td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td><td>8</td><td>2'-10</td><td>24</td></tr>
<tr><td>5s1</td><td>WING VERT.</td><td></td><td>64</td><td>5'-10</td><td>389</td><td>64</td><td>5'-10</td><td>389</td><td>64</td><td>6'-2</td><td>412</td><td>64</td><td>6'-2</td><td>412</td><td>64</td><td>6'-2</td><td>412</td><td>64</td><td>6'-11</td><td>462</td><td>64</td><td>6'-11</td><td>462</td><td>64</td><td>6'-11</td><td>462</td><td>64</td><td>6'-11</td><td>462</td></tr>
<tr><td>4t1</td><td>UNDER BEAMS AT ABUTMENTS</td><td></td><td>10</td><td>4'-6</td><td>30</td><td>10</td><td>4'-6</td><td>30</td><td>10</td><td>4'-6</td><td>30</td><td>10</td><td>4'-6</td><td>30</td><td>10</td><td>4'-6</td><td>30</td><td>10</td><td>4'-9</td><td>32</td><td>10</td><td>4'-9</td><td>32</td><td>10</td><td>4'-9</td><td>32</td><td>10</td><td>4'-9</td><td>32</td></tr>
<tr><td>#2</td><td>PILE SPIRAL (WOOD/STEEL)*</td><td></td><td>22/10</td><td>38'-6</td><td>141/64</td><td>24/10</td><td>38'-6</td><td>154/64</td><td>24/12</td><td>38'-6</td><td>154/77</td><td>26/12</td><td>38'-6</td><td>167/77</td><td>26/12</td><td>38'-6</td><td>167/77</td><td>16</td><td>38'-6</td><td>103</td><td>18</td><td>38'-6</td><td>116</td><td>18</td><td>38'-6</td><td>116</td><td>18</td><td>38'-6</td><td>116</td></tr>
<tr><td></td><td colspan="2">SPIRAL SPACERS, L 7/8 x 7/8 x 1/8 x 0.70 (WOOD/STL.)*</td><td>66/30</td><td>1'-10</td><td>85/39</td><td>72/30</td><td>1'-10</td><td>92/39</td><td>72/36</td><td>1'-10</td><td>92/46</td><td>78/36</td><td>1'-10</td><td>100/46</td><td>78/36</td><td>1'-10</td><td>100/46</td><td>48</td><td>1'-10</td><td>62</td><td>54</td><td>1'-10</td><td>69</td><td>54</td><td>1'-10</td><td>69</td><td>54</td><td>1'-10</td><td>69</td></tr>
<tr><td></td><td colspan="2">*EPOXY COATING NOT REQUIRED</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td colspan="2">SUB TOTAL W/ WOOD PILES**</td><td></td><td></td><td>41,883</td><td></td><td></td><td>44,754</td><td></td><td></td><td>47,927</td><td></td><td></td><td>51,368</td><td></td><td></td><td>54,192</td><td></td><td></td><td>—</td><td></td><td></td><td>—</td><td></td><td></td><td>—</td><td></td><td></td><td>—</td></tr>
<tr><td></td><td colspan="2">SUB TOTAL W/ STEEL H-PILES**</td><td></td><td></td><td>41,935</td><td></td><td></td><td>44,699</td><td></td><td></td><td>47,717</td><td></td><td></td><td>51,049</td><td></td><td></td><td>53,873</td><td></td><td></td><td>59,344</td><td></td><td></td><td>63,167</td><td></td><td></td><td>66,013</td><td></td><td></td><td>69,752</td></tr>
<tr><td></td><td colspan="2">**RAIL REINFORCING NOT INCLUDED</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td colspan="2">BARRIER RAIL</td><td></td><td></td><td>8,215</td><td></td><td></td><td>8,788</td><td></td><td></td><td>9,347</td><td></td><td></td><td>9,879</td><td></td><td></td><td>10,478</td><td></td><td></td><td>11,445</td><td></td><td></td><td>12,003</td><td></td><td></td><td>12,576</td><td></td><td></td><td>13,312</td></tr>
<tr><td></td><td colspan="2">OPEN RAIL</td><td></td><td></td><td>8,880</td><td></td><td></td><td>9,409</td><td></td><td></td><td>10,115</td><td></td><td></td><td>10,823</td><td></td><td></td><td>11,352</td><td></td><td></td><td>13,076</td><td></td><td></td><td>13,543</td><td></td><td></td><td>14,313</td><td></td><td></td><td>15,095</td></tr>
</table>




NOTE: ALL DIMENSIONS ARE OUT TO OUT.
D= PIN DIAMETER

## BENT BAR DETAILS

**Iowa Department of Transportation**
*Highway Division*

STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES

# PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

05-11 LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

DECK & ABUTMENT REINF.
0° SKEW

H30-10-06

REVISED 05-11 - CORRECTED THE OPEN RAIL REBAR QUANTITIES FOR THE 201'-4, 231'-10, 226'-4, & 243'-0 BRIDGE LENGTHS.