**MAP-21 Bridge Elements to be Collected Table**

**Bridge Elements Table**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Element | Units | | Element Number | | | | | | | |
| Steel | Prestressed  Concrete | Reinforced  Concrete | Timber | Masonry | | Other | |
| **Deck/Slab** | | | | | | | | | | |
| Deck | SF | |  | 13 | 12 | 31 | |  | | 60 |
| Open Grid Deck | SF | | 28 |  |  |  | |  | |  |
| Concrete Filled Grid Deck | SF | | 29 |  |  |  | |  | |  |
| Corrugated or Orthotropic Deck | SF | | 30 |  |  |  | |  | |  |
| Slab | SF | |  |  | 38 | 54 | |  | | 65 |
| Top Flange | SF | |  | 15 | 16 |  | |  | |  |
| **Superstructure** | | | | | | | | | | |
| Closed Web/Box Girder | LF | | 102 | 104 | 105 |  | |  | | 106 |
| Girder/Beam | LF | | 107 | 109 | 110 | 111 | |  | | 112 |
| Stringer | LF | | 113 | 115 | 116 | 117 | |  | | 118 |
| Truss | LF | | 120 |  |  | 135 | |  | | 136 |
| Arch | LF | | 141 | 143 | 144 | 146 | | 145 | | 142 |
| Main Cable | LF | | 147 |  |  |  | |  | |  |
| Secondary Cable | EA | | 148 |  |  |  | |  | | 149 |
| Floor Beam | LF | | 152 | 154 | 155 | 156 | |  | | 157 |
| Pin, Pin and Hanger Assembly | EA | | 161 |  |  |  | |  | |  |
| Gusset Plate | EA | | 162 |  |  |  | |  | |  |
| **Substructure** | | | | | | | | | | |
| Column | EA | | 202 | 204 | 205 | 206 | |  | | 203 |
| Column Tower (Trestle) | LF | | 207 |  |  | 208 | |  | |  |
| Pier Wall | LF | |  |  | 210 | 212 | | 213 | | 211 |
| Abutment | LF | | 219 |  | 215 | 216 | | 217 | | 218 |
| Pile Cap/Footing | LF | |  |  | 220 |  | |  | |  |
| Pile | EA | | 225 | 226 | 227 | 228 | |  | | 229 |
| Pier Cap | LF | | 231 | 233 | 234 | 235 | |  | | 236 |
| **Culvert** | | | | | | | | | | |
| Culvert | LF | | 240 | 245 | 241 | 242 | | 244 | | 243 |
| **Bridge Rail** | | | | | | | | | | |
| Bridge Rail | LF | | 330\* |  | 331 | 332 | | 334 | | 333 |
| **Joint** | | | | | | | | | | |
| Strip Seal | LF | 300 | | | | | | | | |
| Pourable | LF | 301 | | | | | | | | |
| Compression | LF | 302 | | | | | | | | |
| Assembly with Seal (Modular) | LF | 303 | | | | | | | | |
| Open | LF | 304 | | | | | | | | |
| Assembly without Seal | LF | 305 | | | | | | | | |
| Other | LF | 306 | | | | | | | | |
| **Bearing** | | | | | | | | | | |
| Elastomeric | EA | 310 | | | | | | | | |
| Movable (roller, sliding, etc.) | EA | 311 | | | | | | | | |
| Enclosed/Concealed | EA | 312 | | | | | | | | |
| Fixed | EA | 313 | | | | | | | | |
| Pot | EA | 314 | | | | | | | | |
| Disk | EA | 315 | | | | | | | | |
| Other | EA | 316 | | | | | | | | |
| **Wearing Surfaces and Protective Coatings** | | | | | | | | | | |
| Wearing Surfaces | SF | 510 | | | | | | | | |
| Steel Protective Coating | SF | 515 | | | | | | | | |
| Concrete Protective Coating | SF | 521 | | | | | | | | |

\*Element 330-Metal Bridge Rail may include steel or aluminum rails.