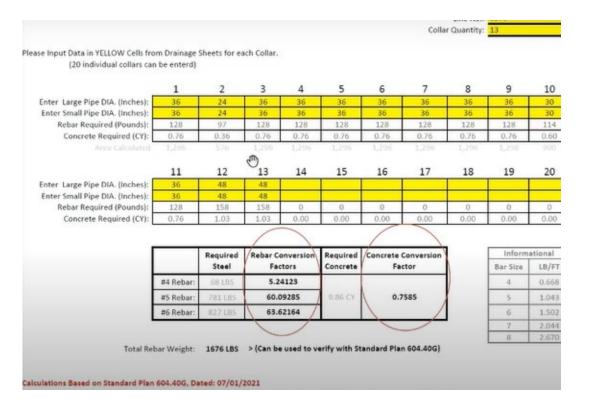
Productivity

April 2025

Prepared by Transportation Planning Missouri Department of Transportation

Standard Plans Rebar Calculator



Description and Benefit

Our standard plans were developed in the 1980's based on material reporting requirements at that time. Our current reporting process is more detailed and requires knowledge of rebar layout in addition to calculating the required pounds for each size. The standard plans have 139 different rebar configurations within the three pay items of pipe collars, signal bases and sign bolt down footings that require hand calculations each time one of these is included in a project to determine how many pounds of rebar are required. This calculator has been created to maximize staff's efficiency to reduce calculating the same items over and over each time one of the pay items is used. Once all the quantities are entered, the output is entered into AASHTO Ware to populate the material acceptance criteria. The weight of each rebar size and concrete quantity is also displayed as a reference to verify the output verses the plans. The calculator has been uploaded to Templates in eProjects to provide statewide access.

For More Information Contact

St. Louis District - Construction and Materials

Brian Lange at Brian.Lange@modot.mo.gov or 314-974-7112.

St. Louis District – Design

Dan Savageau at Daniel.Savageau@modot.mo.gov or 314-453-5089.

