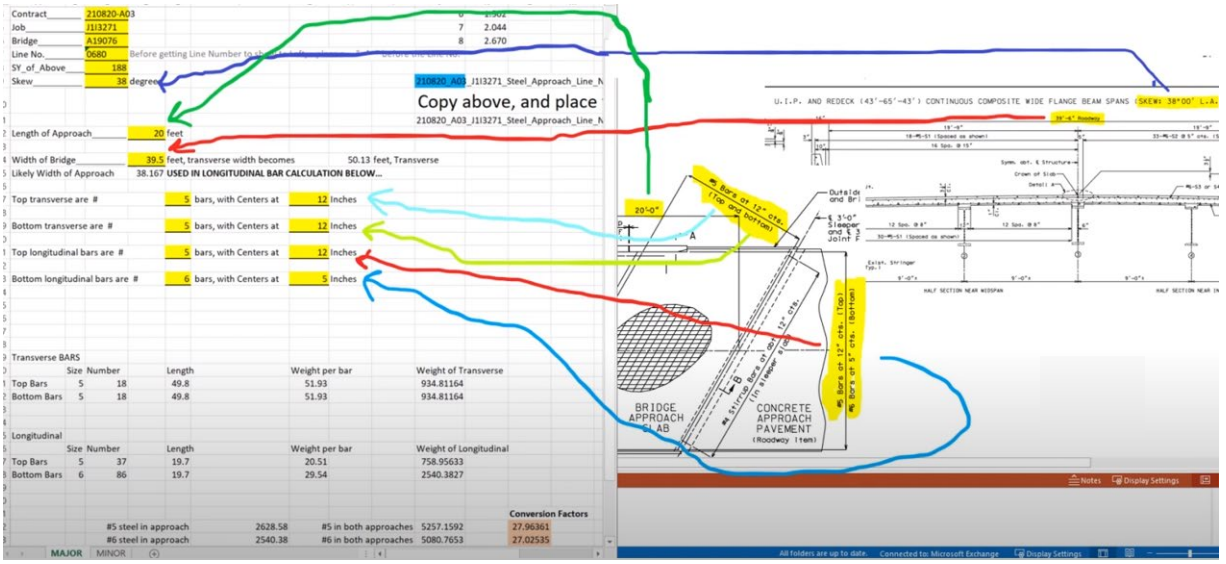
Innovations Showcase

Productivity

April 2022
Prepared by Transportation Planning
Missouri Department of Transportation

Major and Minor Steel Approach Calculator



Description and Benefit

Major and Minor bridge approaches do not come with a bar bill in the plans, nor are they prepopulated in AWP with the appropriate quantities. This requires the reinforcing steel to be calculated so that the conversion factor can be set for the contract. This form allows for a quick calculation of pounds of steel for each required bar size and a conversion factor that is calculated for you to be entered in AWP. This eliminates hand calculations for each project and the information can be shared with the construction inspector so that they are aware of the steel requirements as well.

The excel forms save time by eliminating the need to calculate out the required pounds by hand for each project. The excel form is also user-friendly so that anyone could use. The calculated results can be shared with the construction inspector so that they are aware of the steel requirements as well.

For More Information Contact

Northwest District/Construction and Materials
Lynn Anderson at lynn.anderson@modot.mo.gov or 816-205-2976.