

Substructure Layout Checklist

Substructure Layout

- Detail to Scale
- Decimal Dimensions
- Centerline Survey w/Stationing and Bearing
- Centerline Survey at Cross Road w/Stationing and Bearing
- Centerline Bridge Roadway (may be concurrent w/Centerline Survey)
- Centerline Pile/Drilled Shaft/Footing
- Centerline Feature Intersected/Structure/Abuts/Bents/Piers
- Working Line/Construction Line Call-out
- Skew and Complement at Centerline Feature Intersected (also show at substructure if different)
- Longitudinal Dimensions
- Substructure Dimensions
- Offsets (throw on curve)
- Station Call-outs at Substructures/Structure/Feature Intersected
- Pile/Drilled Shaft/Footing Location No.
- Flow Arrow w/Name of Channel
- North Arrow
- Utilities w/Name of Owner (if available)
- Test Holes Call-out
- Existing Structure/Substructure Call-out
- Line Styles

Substructure Data

- Location
- Pile Elevations (top and bottom)
- Drilled Shaft Elevations (top and bottom)
- Bottom of Footing Elevations
- Pile/Drilled Shaft/Footing No.

Miscellaneous

- Pile Splice Details
- Pile Point Detail

Notes

- Gouge Root to Sound Metal
- Pile Size/Locations (if not included in Substructure Data)
- Drilled Shaft Size/Locations (if not included in Substructure Data)