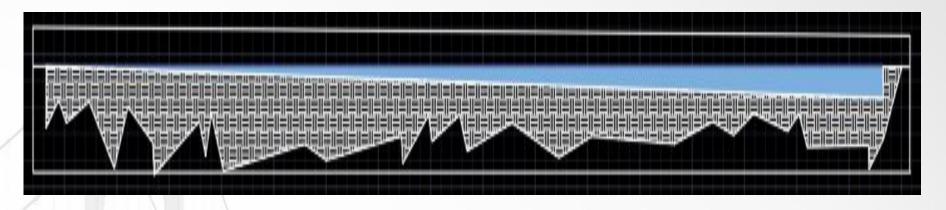
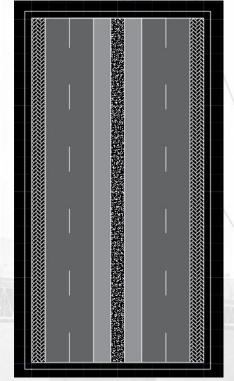
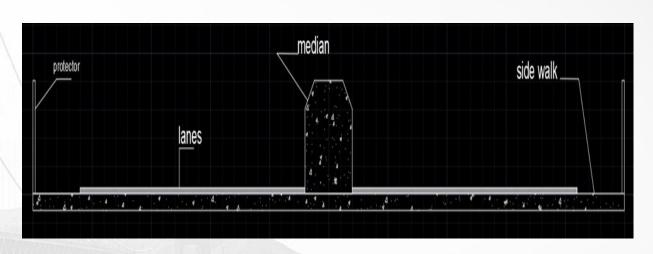


#### **Profile and Cross-section elements**









#### loads calculations



X Base Reactions

File View Edit Format-Filter-Sort Select Options

Units: As Noted

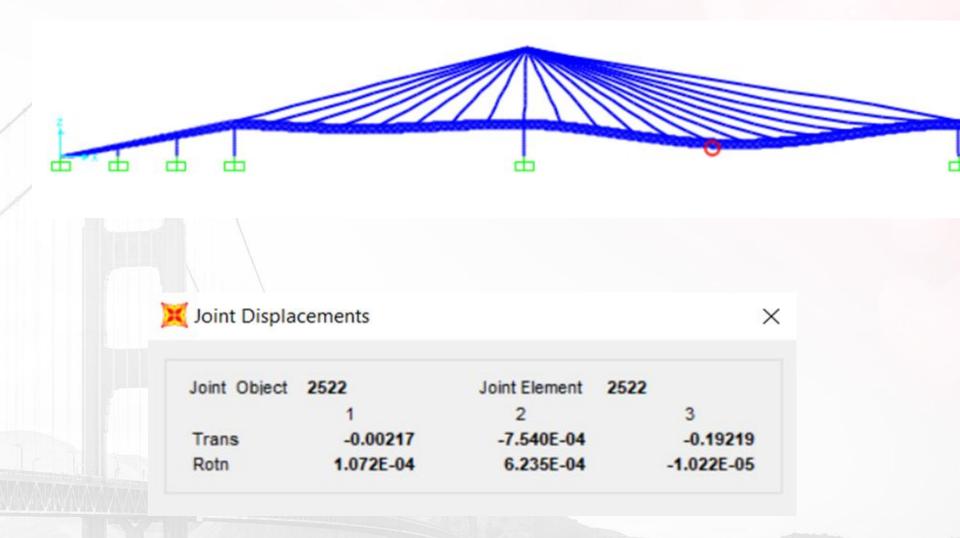
Filter:

Base Reactions

	OutputCase	CaseType Text	GlobalFX KN	GlobalFY KN	GlobalFZ KN	GlobalMX KN-m	GlobalMY KN-m	GlobalMZ KN-m
<b>&gt;</b>	DEAD	LinStatic	7.345E-07	-1.096E-06	5553168.083	69494843.8	-3036251686	-0.0005408
	LIVE	LinStatic	6.86E-08	-9.569E-08	373545.904	4669323.8	-231598461	-4.691E-05
	COMB1	Combination	8.861E-07	-1.308E-06	6378704.531	79814049.4	-3548084284	-0.0006444

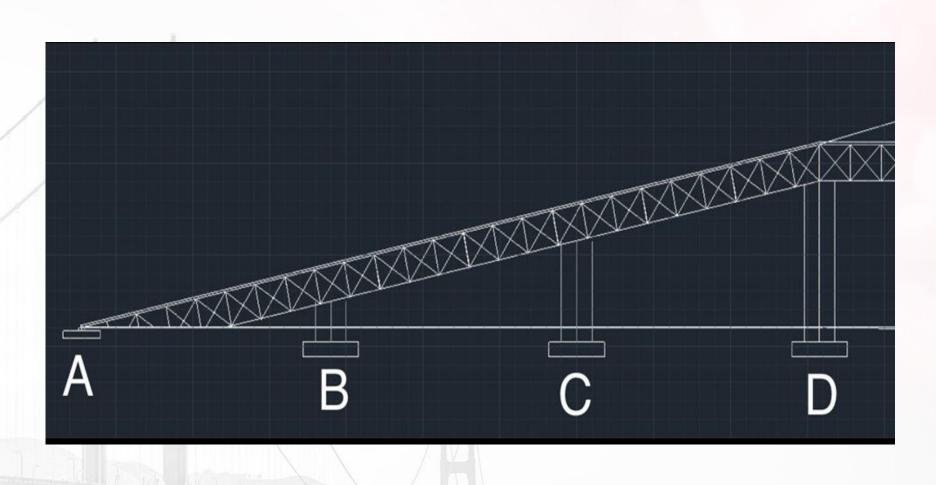
### Deflection of the bridge





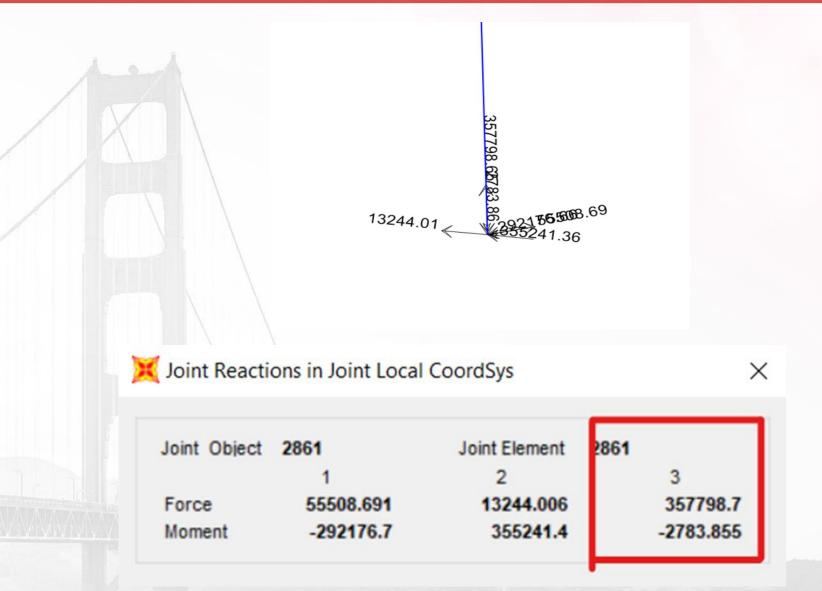
# **Design of piles**



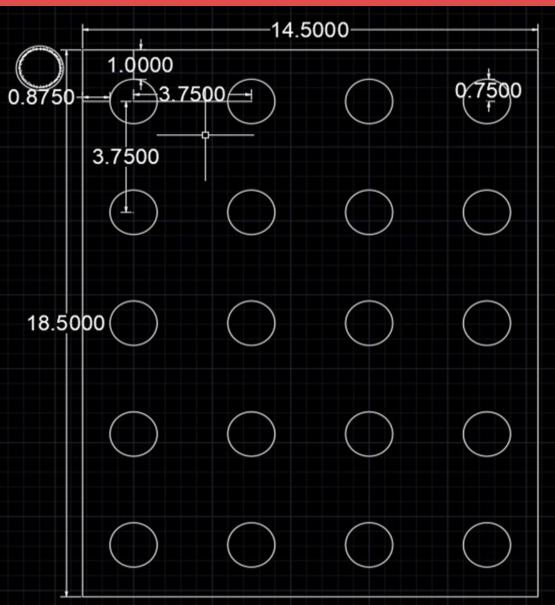


#### Design of footing (D)





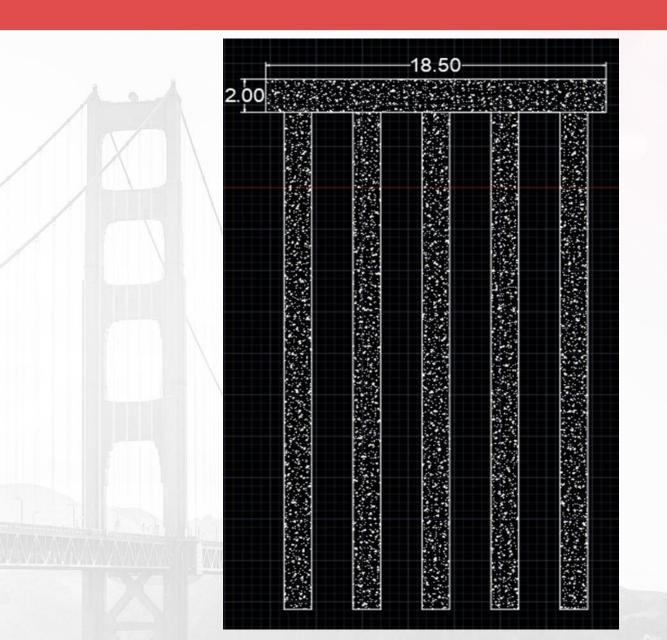






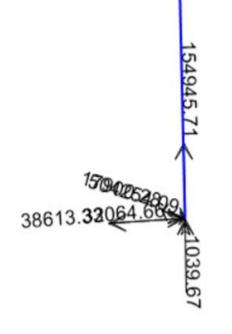
## pile cap

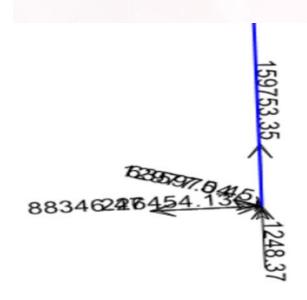


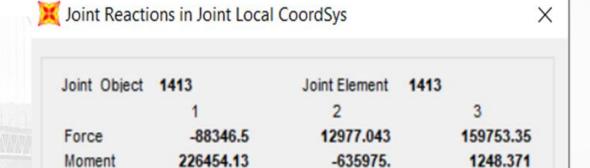


#### **Design of footing (B&C)**





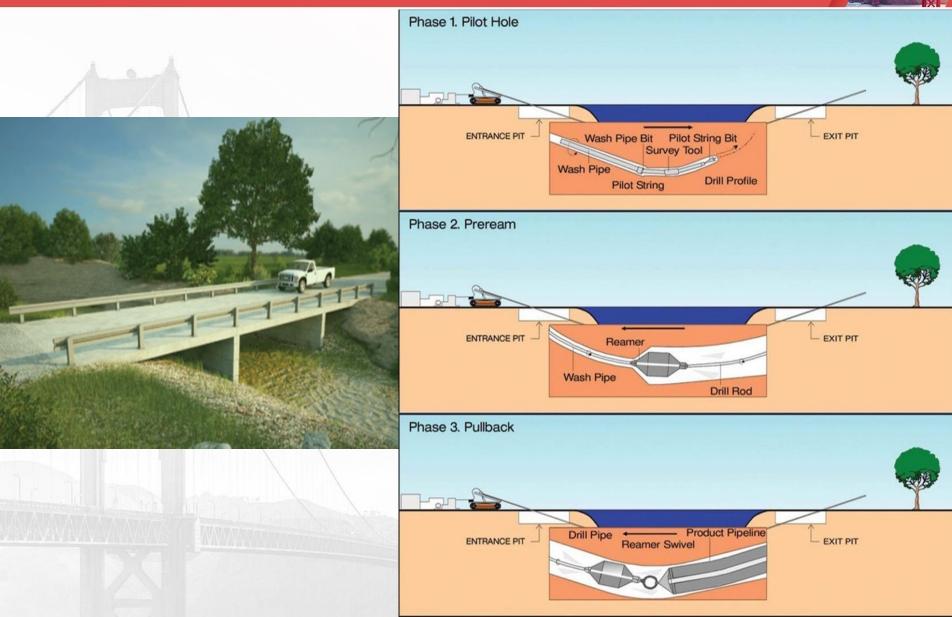




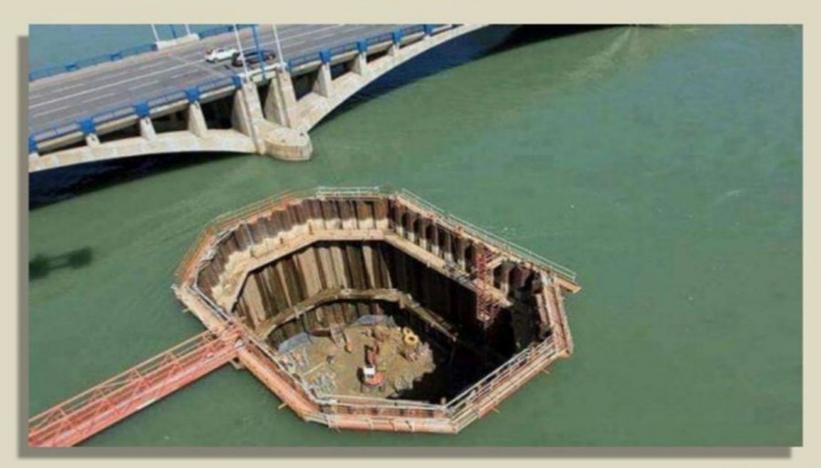


#### methods of building bridge footings





## **Cofferdams**





## Types of concrete forms







