PARSONS
CONCEPT
DRAWINGS

ADVANTAGES OF REUSE OF EXISTING FOUNDATION AND SUBSTRUCTURE

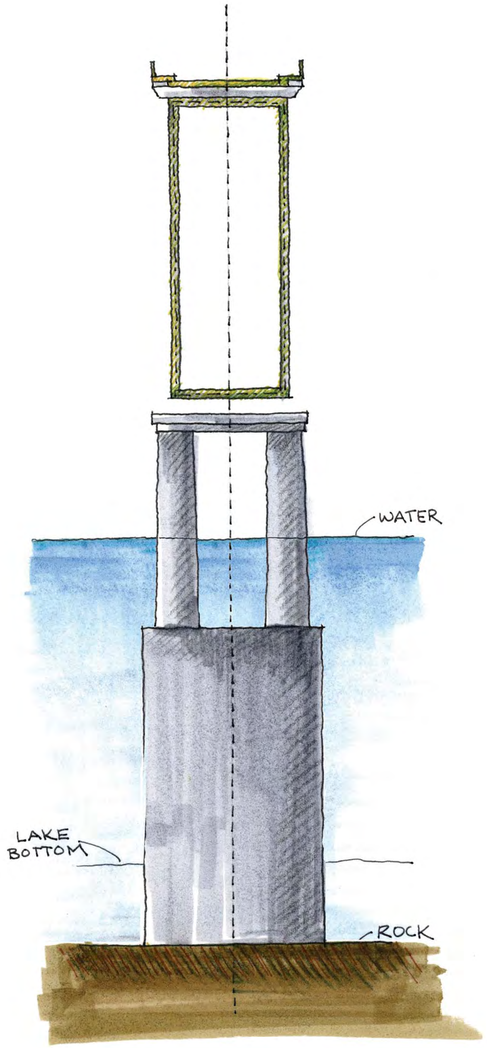
- cost savings
- sustainable solution
- An Aesthetically Pleasing structure

FEASIBILITY

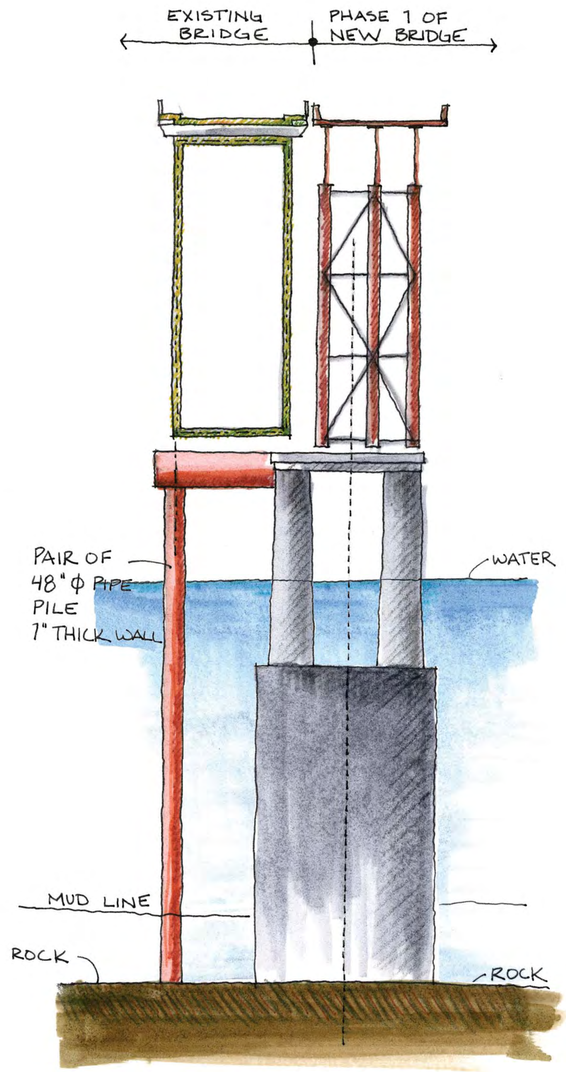
- Typically, Foundation of this Type is in Good shape, the Recent Reconstruction of Milton_ Madison Bridge over ohio River is an Example
- Upper Part of Pier can be Retrofitted and Encased in Steel, if Needed
- Can Maintain Traffic during construction
- If needed, Foundation can be strengthened byMicropiles

ADVANTAGES OF STEEL DELTA FRAME

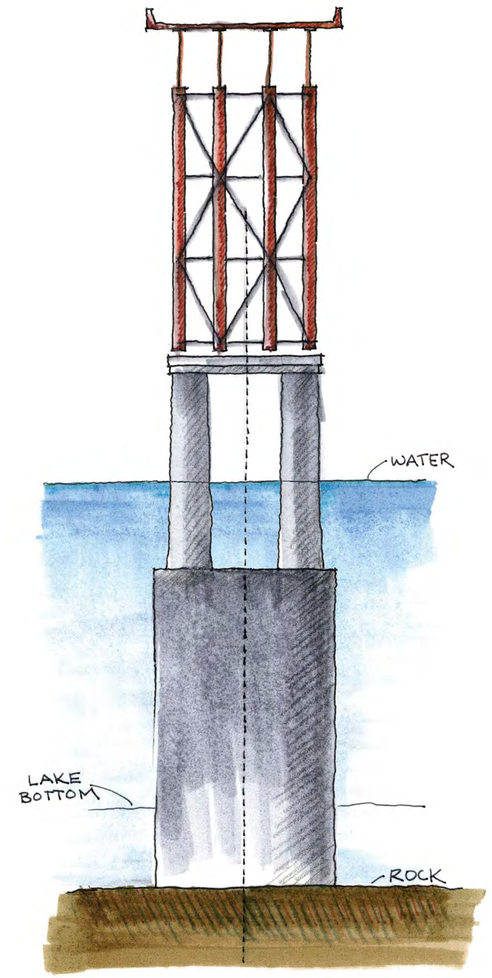
- Maintain the same Bearing Elevation, Minimize impact to substructure
- Economical for such a Long span
- Steel Element size is Reasonable for Transportation



EXISTING



PHASED CONSTRUCTION



COMPLETED STRUCTURE