A precast foundation system that blends the speed of precast with the economy of cast-in-place

Benefits to You
- Provides ease and speed of installation
- Alleviates hazardous working conditions
- Trapezoidal foundation reduces wingwall concrete quantities
- Minimal reinforcement to be placed on site
- Pick weights and sizes customized to your equipment

Construction Process
1. Excavate and prepare foundation subgrade.
2. Unload and place precast foundation sections.
3. Place minimal reinforcing at joints to provide foundation continuity.
4. Set precast bridge units, headwalls, and wingwalls.
5. Fill cells with cast-in-place concrete.
6. Seal joints, grout wingwalls, and backfill.

Speed.
Economy.
Continuity.

Field-placed bars at joints only
- Balance of bars installed in plant and in-place when shipped to site
- Cells between precast cross-members filled with cast-in-place concrete

Cross section of wingwall foundation
(20% material savings versus rectangular foundation)
EXPRESS™ Foundation Details

**FOUNDATION ISOMETRIC**

**PREFAB PEDESTAL WALL/PILE CAP FOUNDATION**

- **Joint in EXPRESS foundation**
- **Shop-installed longitudinal reinforcement along entire length of foundation**
- **Field-placed longitudinal reinforcing bars at joints only**
- **Cells between precast cross-members filled with cast-in-place concrete**

**PRECAST PEDESTAL WALL/PILE CAP FOUNDATION**

- **Precast pedestal wall**
- **Precast foundation**
- **Piles**
- **Precast wingwall foundation**
- **Field-placed threaded reinforcing bars**
- **Dowel bar couplers cast in to wingwall foundation**

**PLAN VIEW**

- **Continuous precast foundation**
- **Precast wingwall foundation**
- **Joint in precast foundation**
- **Precast foundation**
- **Pedestal wall temporary support**
- **Joint in EXPRESS foundation**
- **Precast foundation**

**Easily adapted for pile supported foundations**