

# Contech® Pipe Solutions

## Top Reasons to Specify CHS® (Culvert Headwall System)

- 1. DESIGN:** What is the number one cause of culvert failure? Lack of properly designed end treatment.
- 2. DESIGN:** Standard sizes of Contech CHS are predesigned to handle highway loading requirements. The EOR can specify Contech CHS with confidence.
- 3. DESIGN:** Headwalls help when limited right of way is available. The length of the culvert can be reduced with headwalls
- 4. PERFORMANCE:** Headwalls improve the hydraulic capacity of a culvert. Culverts under inlet control have greater hydraulic capacity than without headwalls.
- 5. PERFORMANCE:** Headwalls prevent erosion and culvert undermining. Headwalls with wing walls help prevent erosion around and under the culvert.
- 6. PERFORMANCE:** The headwall is physically welded to the culvert pipe. The pipe is welded to the headwall, making a closed, fixed connection.
- 7. PERFORMANCE:** 7-Gage Hot Dip Galvanized will provide a 75-year service in most culvert environments. 7-gage HDG will provide 3.7 times the service life compared to 16-gage pre-galvanized culvert material
- 8. CONSTRUCTION:** CHS can save several days of construction time by eliminating poured- in-place concrete headwalls. Factory-made headwalls help save valuable time on the construction site and have traffic on the road quicker.
- 9. CONSTRUCTION:** No special equipment is required for Contech CHS construction. Standard construction equipment (excavators, dozers, & compaction equipment) is all that is needed.
- 10. CONSTRUCTION:** CHS can be installed without dewatering. No Need for a cofferdam and dewatering equipment.
- 11. TEAMWORK:** Contech is available to assist the Owner/Consulting Engineer/Contractor in all stages of the project.

Design assistance at the beginning of the project, full drawing of submittals and preconstruction meeting services prior to the installation and jobsite visit during the construction process.

